



SHENZHEN WINTOP OPTICAL TECHNOLOGY CO.,LTD.

Industrial • Security • Networking



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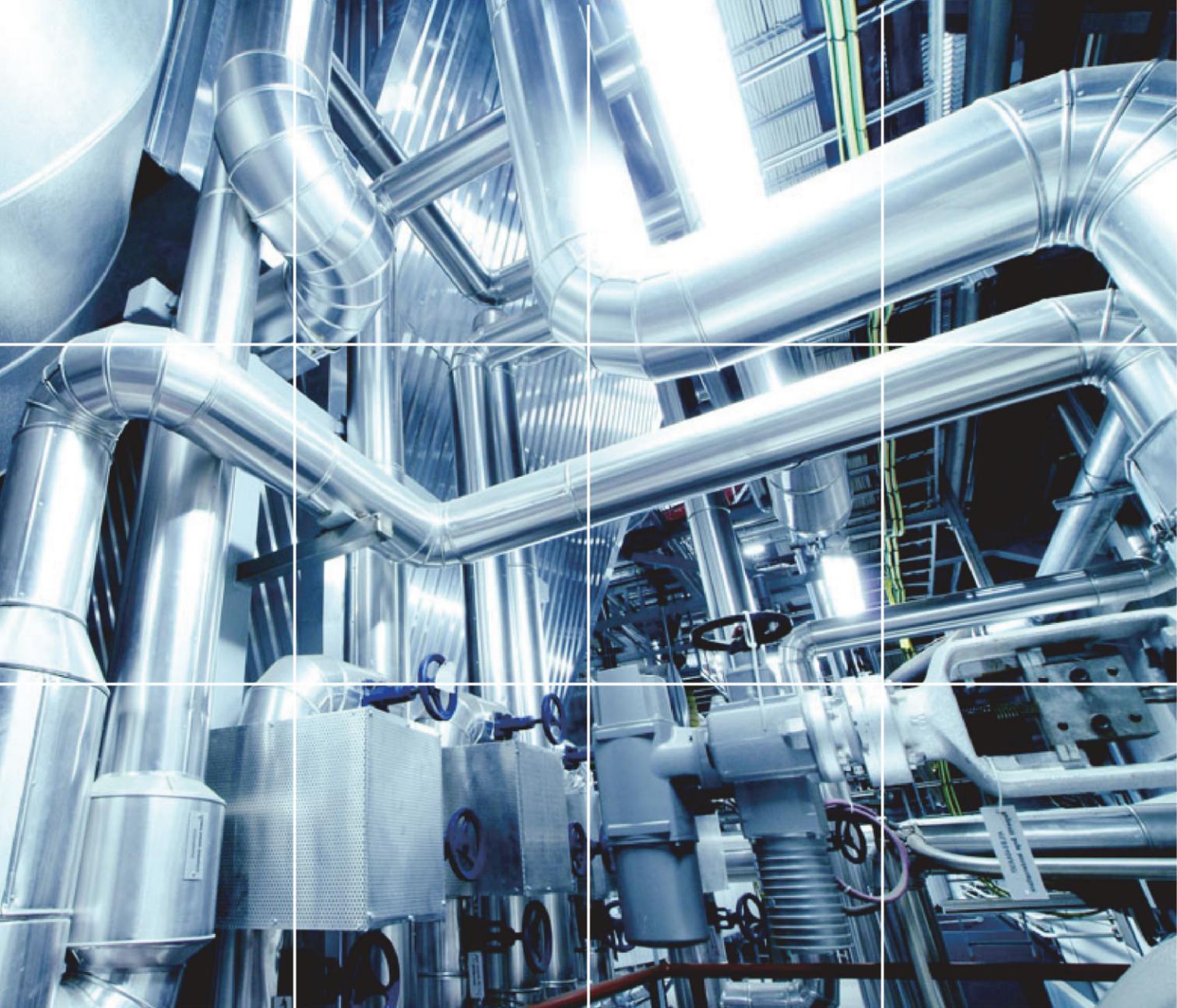
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Shenzhen Wintop Optical Technology Co., Ltd, (WinTop), was established in 2004, and dedicated itself into development, manufacturing, and marketing network product.

WinTop has been marketing networking products in its own brand worldwide, including Europe, Asia, Oceania, Africa, Middle East, North America, and South America, etc. Additionally, WinTop also provides customized design and production services for special applications and projects upon requests.

For decades, WinTop operates its business to stay on top of the latest technology and trends by listening carefully to what the customers say. WinTop has become one of the leaders in the industry, producing wide range of network products, including Fiber Ethernet networking devices, Ethernet network switch products, and Industrial Ethernet network solution. All these products are aiming to meet customers' practical needs closely.

Wintop offers a wide variety of products for all of your application



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Wintop offers a wide variety of products for all of your application



# Professional Fiber Optic Transmission Equipments Manufacturer



Founded in 2004

Expert in Fiber Ethernet networking

Headquartered in Shenzhen, China – Worldwide Presence

Products known for: ease of use, high quality, reliability and advanced network technology

Rugged industrial-grade products - Designed for harsh environments

Technical expertise in:

- Ethernet, Protocols and Internet
- PoE Solution
- Optical Fiber Network
- Serial Communications
- Network Management Software

## Industrial Rack-Mount Gigabit/Fast Ethernet Switch

### CM6028-4GF8F16T Page-16

Industrial 28-port rack-mount Managed Ethernet switch with 16x10/100Base-T(X), 8x 100Base-FX and 4x1000Base-X, SFP socket



- No fan, Aluminum, IP40 protection grade 2 redundant backup, 100~240V AC
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- Supports SNMP/RMON/VLAN/GVRP/QoS/IGMP/LACP/802.1x/DHCP/LLDP standard IEEE protocol

### CM6028-4GF-16F-8T Page-16

Industrial 28-port rack-mount Managed Ethernet switch with 8x10/100Base-T(X), 16x 100Base-FX and 4x1000Base-X, SFP socket



- No fan, Aluminum, IP40 protection grade 2 redundant backup, 100~240V AC
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- Supports SNMP/RMON/VLAN/GVRP/QoS/IGMP/LACP/802.1x/DHCP/LLDP standard IEEE protocol

### CM6028-4GF-24F Page-16

Industrial 28-port rack-mount Managed Ethernet switch with 24x 100Base-FX and 4x1000Base-X, SFP socket



- No fan, Aluminum, IP40 protection grade 2 redundant backup, 100~240V AC
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- Supports SNMP/RMON/VLAN/GVRP/QoS/IGMP/LACP/802.1x/DHCP/LLDP standard IEEE protocol

### CM6028-4GF-24T Page-16

Industrial 28-port rack-mount Managed Ethernet switch with 24x10/100Base-T(X) and 4x1000Base-X, SFP socket



- No fan, Aluminum, IP40 protection grade 2 redundant backup, 100~240V AC
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- Supports SNMP/RMON/VLAN/GVRP/QoS/IGMP/LACP/802.1x/DHCP/LLDP standard IEEE protocol

## Industrial DIN-Rail Gigabit Ethernet Switch

### RS205-5GT Page-18

Industrial 5-port unmanaged Gigabit Ethernet switch with 5x10/100/1000Base-T(X) ports



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

### RS205-1GF4GT Page-20

Industrial 5-port managed Gigabit Ethernet switch with 4x10/100/1000Base-T(X) ports and 1x1000Base-X, SFP socket



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

### RS208-8GT Page-22

Industrial 8-port unmanaged Gigabit Ethernet switch with 8x10/100/1000Base-T(X) ports



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

### RS608-8GT Page-24

Industrial 8-port managed Gigabit Ethernet switch with 8x10/100/1000BaseT(X) ports



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line (CLI) + WEB
- Support WT-Ring (recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS6010-2GF8GT** Page-26

**Industrial 10-port managed Gigabit Ethernet switch with 8×10/100/1000Base-T(X) ports and 2×1000Base-X,SFP socket**



- 8×10/100/1000BaseT(X) and 8×1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS6016-8GF8GT** Page-28

**Industrial 16-port managed Ethernet switch with 8×10/100/1000Base-T (X)and 8×1000Base-X,SFP socket**



- 8×10/100/1000BaseT(X) and 8×1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS606-2F4T** Page-42

**Industrial 6-port managed Ethernet switch with 4×10/100Base-T(X) ports and 2×100Base-FX ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS608-4F4T** Page-44

**Industrial 8-port managed Ethernet switch with 4×10/100Base-T(X) ports and 4×100Base-FX ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**Industrial DIN-Rail Fast Ethernet Switch**

**RS205-5T** Page-30

**Industrial 5-port unmanaged Ethernet switch with 5×10/100Base-T(X) ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS205-1F4T** Page-32

**Industrial 5-port unmanaged Ethernet switch with 4×10/100Base-T(X) ports and 1×100Base-FX**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS205-2F3T** Page-34

**Industrial 5-port unmanaged Ethernet switch with 3×10/100Base-T(X) ports and 2×100Base-FX**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS208-8T** Page-36

**Industrial 8-port unmanaged Ethernet switch with 8×10/100Base-T(X) ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS405-2F3T** Page-38

**Industrial 5-port managed Ethernet switch with 3×10/100Base-T(X) ports and 2×100Base-FX,SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X WEB management, support VLAN、Qos、STP/RSTP、SNMP

**RS605-1F4T** Page-40

**Industrial 5-port managed Ethernet switch with 4×10/100Base-T(X) ports and 1×100Base-FX port**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS608-2F6T** Page-46

**Industrial 8-port managed Ethernet switch with 6×10/100Base-T(X) ports and 2×100Base-FX ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS608-2GF6T** Page-48

**Industrial 8-port managed Ethernet switch with 6×10/100Base-T(X) ports and 2×1000Base-X,SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS608-8T** Page-50

**Industrial 8-port managed Ethernet switch with 8×10/100Base-T(X) ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS609-2GF1F6T** Page-52

**Industrial 9-port managed Ethernet switch with 6×10/100Base-T(X) ports and 1×100Base-FX ports and 2×1000Base-X,SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS609-1F8T** Page-54

**Industrial 9-port managed Ethernet switch with 8×10/100Base-T(X) ports and 1×100Base-FX ports**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS609-1GF8T** Page-56

**Industrial 9-port managed Ethernet switch with 8×10/100Base-T(X) ports and 1×1000Base-X,SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40℃~85℃ operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS609-3F6T** Page-58

**Industrial 9-port managed Ethernet switch with 6×10/100Base-T(X) ports and 3×100Base-FX ports**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS609-3GF6T** Page-60

**Industrial 9-port managed Ethernet switch with 6×10/100Base-T(X) ports and 3×1000Base-X, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS203-1F2T** Page-74

**Industrial Ethernet to fiber media converter with 2×10/100Base-T(X) to 1×100Base-FX**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS203-1GF2GT** Page-76

**Industrial Gigabit Ethernet to fiber media converter with 2×10/100/1000Base-T(X) to 1×1000Base-X, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS6010-3GF7T** Page-62

**Industrial 10-port managed Ethernet switch with 7×10/100Base-T(X) ports and 3×1000Base-X, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS6010-2GF8T** Page-64

**Industrial 10-port managed Ethernet switch with 8×10/100Base-T(X) ports and 2×1000Base-X, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**Industrial DIN-Rail POE Gigabit Ethernet Switch**

**RS205-5GT-AT** Page-78

**Industrial 5-port unmanaged Gigabit Ethernet switch with 5×10/100/1000Base-T(X) ports**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS205-1GF4GT-AT** Page-80

**Industrial 5-port unmanaged Gigabyte PoEEthernet switch With 4×10/100/1000Base-T(X) P.S.E.ports and 1×1000Base-X, SFP socket**



- 4×10/100/1000BaseT(X)PoE(P.S.E.) 1×1000Base-X
- Support auto-negotiation and auto-MDI/MDI-X
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range

**RS2010-2GF2GT8T** Page-66

**Industrial 10-port unmanaged Ethernet switch with 8×10/100Base-T(X) ports and 2×Gigabit combo ports, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X

**RS6010-2GF2GT8T** Page-68

**Industrial 10-port managed Ethernet switch with 8×10/100Base-T(X) ports and 2×Gigabit combo ports, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS206-2GF4GT-AT** Page-82

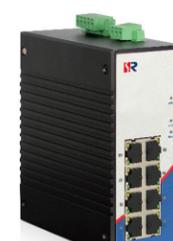
**Industrial 6-port unmanaged Gigabit Ethernet switch with 4×10/100/1000Base-T(X) PoE(P.S.E.) 2×1000Base-X**



- 4×10/100/1000BaseT(X)PoE(P.S.E.) 2×1000Base-X
- Support auto-negotiation and auto-MDI/MDI-X
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range

**RS208-8GT-AT** Page-84

**Industrial 8-port unmanaged Gigabit Ethernet switch with 8×10/100/1000Base-T(X) ports**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**Industrial DIN-Rail Ethernet to Fiber Media Converter**

**RS202-1F1T** Page-70

**Industrial Ethernet to fiber media converter with 1×10/100Base-T(X) to 1×100Base-FX**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS202-1GF1GT** Page-72

**Industrial Gigabit Ethernet to fiber media converter with 1×10/100/1000Base-T(X) to 1×1000Base-X, SFP socket**



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- 18~70V DC or AC 100~240V power inputs
- Support auto-negotiation and auto-MDI/MDI-X

**RS6010-2GF8GT-AT** Page-86

**Industrial 10-port managed Gigabit PoE Ethernet switch with 8×10/100/1000Base-T(X) P.S.E. ports and 2×1000Base-X, SFP socket**



- 2×1000BaseF(X)+8×10/100/1000BaseT(X) PoE(P.S.E.)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Support PoE scheduled configuration and PoE auto-ping check function
- Command line(CLI) +WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

**RS6016-8GF8GT-AT** Page-88

**Industrial 10-port managed Gigabit PoE Ethernet switch with 8×10/100/1000Base-T(X) P.S.E. ports and 8×1000Base-X, SFP socket**



- 8×1000BaseF(X)+8×10/100/1000BaseT(X) PoE(P.S.E.)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Support PoE scheduled configuration and PoE auto-ping check function
- Command line(CLI) +WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

## Industrial DIN-Rail POE Fast Ethernet Switch

### RS205-5T-AT

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Industrial 5-port unmanaged PoE Ethernet switch with 4x10/100Base-T(X) P.S.E. and 1x10/100Base-T(X) port



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- IEEE 802.3t compliant, 30Watts PoE per port
- Support auto-negotiation and auto-MDI/MDI-X

### RS205-1F4T-AT

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Industrial 5-port unmanaged PoE Ethernet switch with 4x10/100Base-T(X) P.S.E.ports and 1x100Base-FX port



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- IEEE 802.3t compliant, 30Watts PoE per port
- Support auto-negotiation and auto-MDI/MDI-X

### RS606-2F4T-AT

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Industrial 6-port unmanaged PoE Ethernet switch with 4x10/100Base-T(X) P.S.E.ports and 2x100Base-FX port



- No fan, Aluminum, IP40 protection grade
- 2 redundant backup, 100~240V AC
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- Supports SNMP/RMON/VLAN/GVRP/QoS/IGMP/LACP/802.1x/DHCP/LLDP standard IEEE protocol

### RS208-8T-AT

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Industrial 8-port unmanaged PoE Ethernet switch with 8x10/100Base-T(X) P.S.E.



- No fan, Aluminum, IP40 protection grade
- 2 redundant backup, 100~240V AC
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- Supports SNMP/RMON/VLAN/GVRP/QoS/IGMP/LACP/802.1x/DHCP/LLDP standard IEEE protocol

### RS2010-2GF2GT8T-AT

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Industrial 10-port unmanaged PoE Ethernet switch with 8x10/100Base-T(X) P.S.E. and 2xGigabit combo ports, SFP socket



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- IEEE 802.3t compliant, 30Watts PoE per port
- Support auto-negotiation and auto-MDI/MDI-X

### RS6010-2GF2GT8T-AT

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Industrial 10-port managed PoE Ethernet switch with 8x10/100Base-T(X) P.S.E. and 2xGigabit combo ports, SFP socket



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- Support auto-negotiation and auto-MDI/MDI-X Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management

## POE Gigabit Ethernet Switch

### DS106-1GF5GT-AF/AT

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6-port unmanaged PoE Ethernet switch with 4x10/100/1000Base-T(X) P.S.E.ports and 1x10/100/1000Base-T(X) port and 1x1000Base-FX port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell,
- Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

### DS106-2GF4GT-AF/AT

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6-port unmanaged PoE Ethernet switch with 4x10/100/1000Base-T(X) P.S.E.ports and 2x1000Base-FX ports



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell,
- Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

### DS1010-2GF8GT-AF/AT

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10-port unmanaged PoE Ethernet switch with 8x10/100/1000Base-T(X) P.S.E.ports and 2x1000Base-X, SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell,
- Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

### DS1016-4GF12GT-AF/AT

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10-port unmanaged PoE Ethernet switch with 12x10/100/1000Base-T(X) P.S.E.ports and 4x1000Base-X, SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell,
- Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

### CS1018-2GF16GT-AF/AT

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18-port unmanaged PoE Ethernet switch with 16x10/100/1000Base-T(X) P.S.E.ports and 2x1000Base-X, SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell, Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

### CS1026-2GF24GT-AF/AT

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26-port unmanaged PoE Ethernet switch with 24x10/100/1000Base-T(X) P.S.E.ports and 2x1000Base-X, SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell, Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

## Industrial POE Ethernet to Fiber Media Converter

### RS202-1F1T-AT

Page-102

Industrial Ethernet to fiber PoE media converter with 1x10/100Base-T(X) P.S.E. to 1x100Base-FX



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- IEEE 802.3t compliant, 30Watts PoE per port
- Support auto-negotiation and auto-MDI/MDI-X

### RS202-1GF1GT-AT

Page-104

Industrial Gigabit Ethernet to fiber PoE media converter with 1x10/100/1000Base-T(X) P.S.E. to 1x1000Base-X, SFP socket



- IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range
- Support DC and AC dual power input
- IEEE 802.3t compliant, 30Watts PoE per port
- Support auto-negotiation and auto-MDI/MDI-X

## POE Fast Ethernet Switch

### DS205-1GT4T-AF/AT

Page-118

5-port unmanaged PoE Ethernet switch with 4x10/100Base-T(X) P.S.E.ports and 1x10/100/1000Base-T(X) port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell, Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

### DS105-1F4T-AF/AT

Page-120

5-port unmanaged PoE Ethernet switch with 4x10/100Base-T(X) P.S.E.ports and 1x100Base-FX ports



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan, metal shell, Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt (120Watt optional)

**DS105-1GF4T-AF/AT**

Page-122

5-port unmanaged PoE Ethernet switch with 4×10/100Base-T(X) P.S.E.ports and 1×1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt ( 120Watt optional)

**DS109-1GF1GT8T-AF/AT**

Page-124

9-port unmanaged PoE Ethernet switch with 8×10/100Base-T(X) P.S.E.ports and 1×Gigabit combo ports,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 65Watt ( 120Watt optional)

**DS109-1GF8T-AF/AT**

Page-126

9-port unmanaged PoE Ethernet switch with 8×10/100Base-T(X) P.S.E.ports and 1×1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 150Watt ( 300Watt optional)

**DS1010-2GF8T-AF/AT**

Page-128

10-port unmanaged PoE Ethernet switch with 8×10/100Base-T(X) P.S.E.ports and 2×1000Base-X ports



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 150Watt ( 300Watt optional)

**CS1018-2GF2GT16T-AF/AT**

Page-130

18-port unmanaged PoE Ethernet switch with 16×10/100Base-T(X) P.S.E.ports and 2×Gigabit combo ports,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 150Watt ( 300Watt optional)

**CS1026-2GF2GT24T-AF/AT**

Page-132

26-port unmanaged PoE Ethernet switch with 24×10/100Base-T(X) P.S.E.ports and 2×Gigabit combo ports,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port Max. 150Watt ( 300Watt optional)

**Surveillance Gigabit Ethernet Switch**

**DS205-1GF4GT**

Page-134

5-port unmanaged Gigabit Ethernet switch with 4×10/100/1000Base-T(X) ports and 1×1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS106-1GF5GT**

Page-136

6-port unmanaged Gigabit Ethernet switch with 5×10/100/1000Base-T(X) ports and 1×1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS106-2GF4GT**

Page-138

6-port unmanaged Gigabit Ethernet switch with 4×10/100/1000Base-T(X) ports and 2×1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS606-2GF4GT**

Page-140

6-port managed Gigabit Ethernet switch with 4×10/100/1000Base-T(X) ports and 2×1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment
- Support WEB management, support VLAN, Qos, STP/RSTP, SNMP etc.

**DS209-1GF8GT**

Page-142

9-port unmanaged Gigabit Ethernet switch with 8×10/100/1000Base-T(X) ports and 1×1000Base-FX port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS2010-2GF8GT**

Page-144

10-port unmanaged Gigabit Ethernet switch with 8×10/100/1000Base-T(X) ports and 2×1000Base-X,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS6010-2GF8GT**

Page-146

10-port managed Gigabit Ethernet switch with 8×10/100/1000Base-T(X) ports and 2×1000Base-X,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment
- Support WEB management, support VLAN, Qos, STP/RSTP, SNMP etc.

**DS7016-4GF12GT**

Page-148

16-port managed Gigabit Ethernet switch with 12×10/100/1000Base-T(X) ports and 4×1000Base-X,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3,support WT2000 web management

**DS1018-2GF24GT**

Page-150

26-port unmanaged Gigabit Ethernet switch with 24x10/100/1000Base-T(X) ports and 2x1000Base-X,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3,support WT2000 web management

**CS7024-12GF12GT**

Page-152

24-port managed Gigabit Ethernet switch with 12x10/100/1000Base-T(X) ports and 12x1000Base-X,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Command line(CLI) + WEB
- Support WT-Ring(recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3,support WT2000 web management

**DS109-1GF1GT8T**

Page-166

9-port unmanaged Fast Ethernet switch with 8x10/100Base-T(X) ports and 1xGigabit combo ports,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- IEEE 802.3t compliant, 30Watts PoE per port
- Max. 150Watt ( 300Watt optional)

**DS6010-2GF8T**

Page-168

10-port managed Fast Ethernet switch with 8x10/100Base-T(X) ports and 2x1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment
- Support WEB management, support VLAN, Qos, STP/RSTP, SNMP etc.

**Surveillance Fast Ethernet Switch**

**DS205-1GT4T**

Page-154

5-port unmanaged Fast Ethernet switch with 4x10/100Base-T(X) ports and 1x10/100/1000Base-T(X) port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS205-1F4T**

Page-156

5-port unmanaged Fast Ethernet switch with 4x10/100Base-T(X) ports and 1x100Base-F(X) port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS605-1F4T**

Page-158

5-port managed Fast Ethernet switch with 4x10/100Base-T(X) ports and 1x100Base-F(X) port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment
- Support WEB management, support VLAN, Qos, STP/RSTP, SNMP etc.

**DS605-1GF4T**

Page-160

5-port Managed Fast Ethernet Switch With 4x10/100Base-T(X) ports and 1x1000Base-FX



- 4x10/100BaseT(X) 1x1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell,Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~60°C
- WEB management, support VLAN, SNMP

**DS209-1F8T**

Page-162

9-port unmanaged Fast Ethernet switch with 8x10/100Base-T(X) ports and 1x100Base-F(X) port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**DS609-1GF8T**

Page-164

9-port managed Fast Ethernet switch with 8x10/100Base-T(X) ports and 1x1000Base-X port



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment
- Support WEB management, support VLAN, Qos, STP/RSTP, SNMP etc.

**CS1018-16F2GT**

Page-170

18-port unmanaged Fast Ethernet switch with 16x100Base-F(X), SFP socket and 2x10/100/1000Base-T(X) ports



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**CS1018-2GF2GT16T**

Page-172

18-port unmanaged Fast Ethernet switch with 16x10/100Base-T(X) ports and 2xGigabit combo ports,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

**CS1026-2GF2GT24T**

Page-174

26-port unmanaged Fast Ethernet switch with 24x10/100Base-T(X) ports and 2xGigabit combo ports,SFP socket



- All port anti-lighting (6KV)
- 3KV isolation protection
- No fan,metal shell,Internal power, 100~240V AC
- Operating Temperature -20~60°C
- Suitable for outdoor environment

## Industrial SFP modules

### WTPD-G Page-176

Industrial Gigabit Ethernet SFP modules



- Operating Temperature -40~85°C
- multi-mode / single-mode
- 2km/20km/40km/80km

### WTPS-G Page-176

Industrial Gigabit Ethernet BIDI-SFP modules



- Operating Temperature -40~85°C
- single-mode
- 3km/20km/40km/80km

### WT-SFP-T Page-176

Industrial Copper SFP10/100/1000Base-T



- Operating Temperature -40~85°C
- 10/100/1000Base-T
- 1000Base-X

## SFP+ modules

### WT-SFP+ Page-176

SFP+ SR/LR/ER/ZR



- Operating Temperature 0~70°C
- multi-mode / single-mode
- 300m/10km/40km/80km

### WT-SFP+BIDI Page-176

SFP+ BIDI 20km/40km/60km



- Operating Temperature 0~70°C
- single-mode
- 20km/40km/60km

### WT-SFP+CWDM Page-176

SFP+CWDM DML/EML



- Operating Temperature 0~70°C
- DML 10km/40km
- EML 40km/80km

### WT-SFP+DWDM Page-176

SFP+DWDM EML



- Operating Temperature 0~70°C
- EML 40km/80km

## Ethernet to Fiber Media Converter

### WT-8110 Page-177

Ethernet to fiber media converter with 1×10/100Base-T(X) to 1×100Base-FX



- Support auto negotiation, automatic MDI/MDIX
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance
- Operating Temperature 0~70°C

### WT-8110G Page-178

Gigabit Ethernet to fiber media converter with 1×10/100/1000Base-T(X) to 1×1000Base-FX



- Support auto negotiation, automatic MDI/MDIX
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance
- Operating Temperature 0~70°C

### WT-816 Page-179

14/16-slot media converter chassis



- Manage media converter with 19-inch rack-mountable 2U chassis
- Power backup (dual power supply) featured with two power chassis
- Highly modularized chassis design
- Operating Temperature 0~70°C

## PoE Ethernet to Fiber Media Converter

### WT-8110G-AT Page-180

Gigabit Ethernet to fiber PoE media converter with 1×10/100/1000Base-T(X) P.S.E. to 1×1000Base-X



- Support auto negotiation, automatic MDI/MDIX
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance
- IEEE 802.3t compliant, 30Watts PoE per port
- Operating Temperature 0~70°C

# CM6028-4GF8F16T

Industrial 28-port rack-mount Managed Ethernet switch with 16x10/100Base-T(X), 8x 100Base-FX and 4x1000Base-X.SFP socket



- Support 16 10/100Base-T(x)8100Base-F(x)and 4 1000Base-X
- No fan,Aluminum, IP40 protection grade
- Support DC and AC dual power input, built-in over-current protection, Reverse connection protection
- Working temperature:-40°C~85°C, Storage Temperature: -40 ~ 85 °C
- Command line (CLI) +WEB, Can rapid configuration network function
- Support more Ethernet redundancy with WT-Ring/STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Introduction

CM6028-4GF8F16T is an industrial grade, managed and redundancy Ethernet switch which support 4-port 1000Base-X, 8-port 100baseF(X)10/100M and 16 10/100BaseT, no fan, low consumption, Industrial grade 4 standard. With working temperature-40 ~ 85°C, for harsh

environment, support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP)and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and port trunking;

	100BaseFX	
	100BaseFX 多模	100BaseFX 单模
波长	850nm	1310/1550nm
最大发送功率	-3dBm	0dBm
最小发送功率	-8dBm	-10dBm
接收灵敏度	-19dBm	-32dBm
链路预算	11dB	22dB
典型距离	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
饱和度	-6dBm	-3dBm

## Specification

### Standards

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseT and 100BaseFX
- IEEE 802.3z 1000BaseFX
- IEEE 802.3x
- IEEE 802.1D STP
- IEEE 802.1w RSTP
- IEEE 802.1p Cos
- IEEE 802.1Q VLAN

### Agreement

IGMP Snooping, GMRP, GVRP, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP, SSH, Telnet, Syslog, LLDP, EtherNet/IP, Modbus/TCP MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing: Aluminum, IP40 protection  
 Dimensions :440mm\*325mm\*45mm  
 Weight :3100g  
 Installation :Rack mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
 VLAN-ID: 1-4094  
 Backplane bandwidth :12.8Gbps MAC Table size :8K  
 Jumbo Frame Size :3Mbit

## Interface

Serial Port:RS-232 (RJ45 slot)  
 Fiber port:1000Base-X ( SFP slot)  
 Fiber port:100Base-F(x)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection.  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup, 100~240V AC  
 Input Current:Max 0.4A

## Standards and certification

EMI:FCC Part 15/CISPR22(EN55022): Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3,  
 IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4,  
 IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

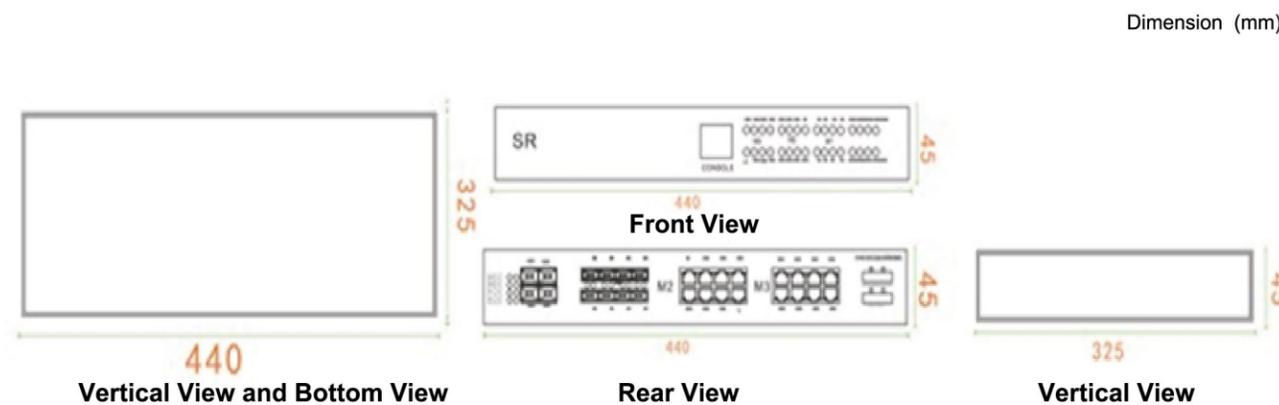
## MTBF

500000h

## Warranty

5 years

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	Multi mode/Single mode	
			100BaseFX	1000BaseFX
CM6028-4GF24F-AC220-AC220	—	—	24 SC(1310nm)	4( SFP slot)
CM6028-4GF16F8T-AC220-AC220	8	—	16 SC(1310nm)	4( SFP slot)
CM6028-4GF8F16T-AC220-AC220	16	—	8 SC(1310nm)	4( SFP slot)
CM6028-4GF24T-AC220-AC220	24	—	—	4( SFP slot)

# RS205-5GT

Industrial 5-port unmanaged Gigabyte Ethernet switch  
With 5x10/100/1000BaseT(X) ports



- 5x10/100/1000BaseT(X)
- support 10/100/1000Mbps, automatic MDI/MDIX
- 18~70V DC or AC 100~240V power inputs
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:10Gbps  
Packet Buffer Size:2M  
MAC table size:8K  
Jumbo Frames:9.6K Bytes

## Interface

Serial Port:RS-232 (RJ45 slot)  
Fiber port:1000Base-X ( SFP slot)  
Fiber port:100Base-F(x)  
RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection.  
LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage :18~70V DC, Redundant dual inputs  
Input Current :Max 0.25A

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS205-5GT is design for harsh industrial environment, with 5 10/100/1000MBaseT(x)

The units with IP40 aluminum protection, din rail design, -40°C~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment.

## Characteristic

- 10/100/1000BaseT(X);
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design, shock resistance
- metal housing

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT,  
IEEE 802.3ab 1000BaseT,  
IEEE 802.3z 1000BaseFX

### Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
LED Light:PWR,ALM, L/A,SPD

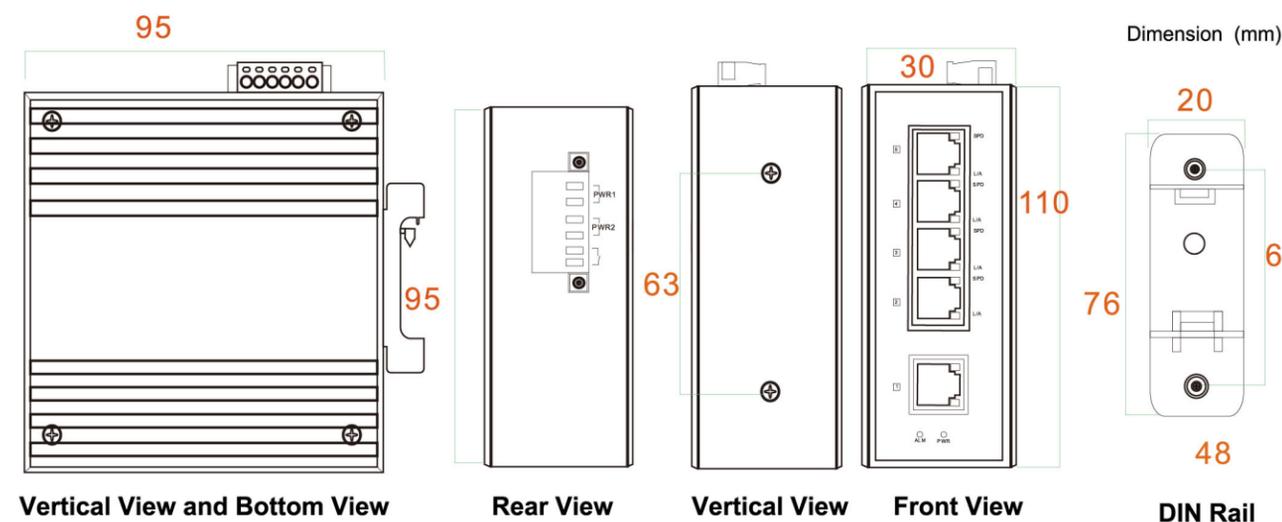
### Physical Characteristics

Housing : Aluminum, IP40 Protection  
Size: 110 x 95x 30mm  
Weight :350g  
Installation:din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
Ambient relative humidity:5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
RS205-5GT	—	4(P.S.E.)+1	—

# RS205-1GF4GT

Industrial 5-port unmanaged Gigabyte Ethernet switch  
With 4x10/100/1000BaseT(X) ports and 1x1000Base-X,SFP socket



- 4x10/100/1000BaseT(X) 1x1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- 18~70V DC or AC 100~240V power inputs
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:10Gbps  
Packet Buffer Size:1Mb  
MAC table size:4K  
Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
LEDLight:PWR,ALM, L/A,SPD

## Power requirement

Input Voltage :18~70V DC, Redundant dual inputs  
Input Current :Max 0.25A

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Free fall:IEC60068-2-32

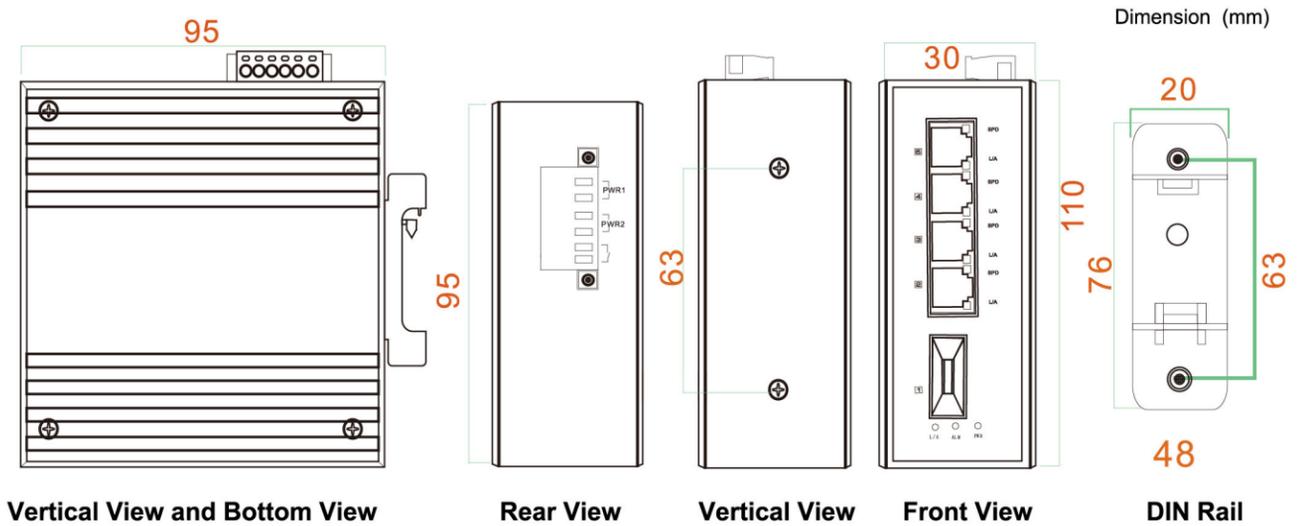
## MTBF

500000h

## Warranty

5 years

## Dimension



## Introduction

RS205-1GF4GT is design for harsh industrial environment, with 4 10/100/1000BaseT(x) and 1 1000BaseFX

The units with IP40 aluminum protection, din rail design, -40°C~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment.

## Characteristic

- 10/100/1000BaseT(X) and 1 1000BaseFX;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT,  
IEEE 802.3z 1000BaseFX

### Agreement

IGMP Snooping, GMRP, GVRP, SNMPv1/v2c/v3, TFTP, STNP, RMON, HTTP, SSH, Telnet, Syslog, LLDP, EtherNet/IP, Modbus/TCP MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing : Aluminum, IP40 Protection  
Size: 110 x 95x 30mm  
Weight : 350g  
Installation: din rail mounting

### Environment

Operating temperature: -40 ~ 85°C (-40 ~ 185°F)  
Storage temperature: -40 ~ 85°C (-40 ~ 185°F)  
Ambient relative humidity: 5 ~ 95% (non-condensing)

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS205-1GF4GT-DC24	—	4	1
RS205-1GF4GT-AC220	—	4	1
RS205-1GF4GT-DC24-DC24	—	4	1

# RS208-8GT

Industrial 8-port unmanaged Gigabyte Ethernet switch  
With 8x10/100/1000BaseT(X) ports



- 8x10/100/1000BaseT(X)
- Support auto-negotiation and auto-MDI/MDI-X
- 18~70V DC or AC 100~240V power inputs
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Introduction

RS208-8GT is design for harsh industrial environment, with 8 10/100/1000MBaseT(x)

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment.

## Characteristic

- 8x10/100/1000BaseT(X);
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT,  
IEEE 802.3z 1000BaseFX

### Agreement

IGMP Snooping, GMRP, GVRP, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, SSH, Telnet, Syslog, LLDP, EtherNet/IP, Modbus/TCP MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing : Aluminum, IP40 Protection  
Size: 135mm\*130mm\*55mm  
Weight : 850g  
Installation: Din-rail mounting

### Environment

Operating temperature: -40 ~ 85°C (-40 ~ 185°F)  
Storage temperature: -40 ~ 85°C (-40 ~ 185°F)  
Ambient relative humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 16Gbps  
Packet Buffer Size: 2M  
MAC table size: 8K  
Jumbo Frames: 9.6K Bytes

## Port

Fiber Ports: 1000Mbps  
RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
LED Light: PWR, ALM, L/A, SPD

## Power requirement

Input Voltage : 18~70V DC, Redundant dual inputs  
Input Current : Max 0.25A

## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Free fall: IEC60068-2-32

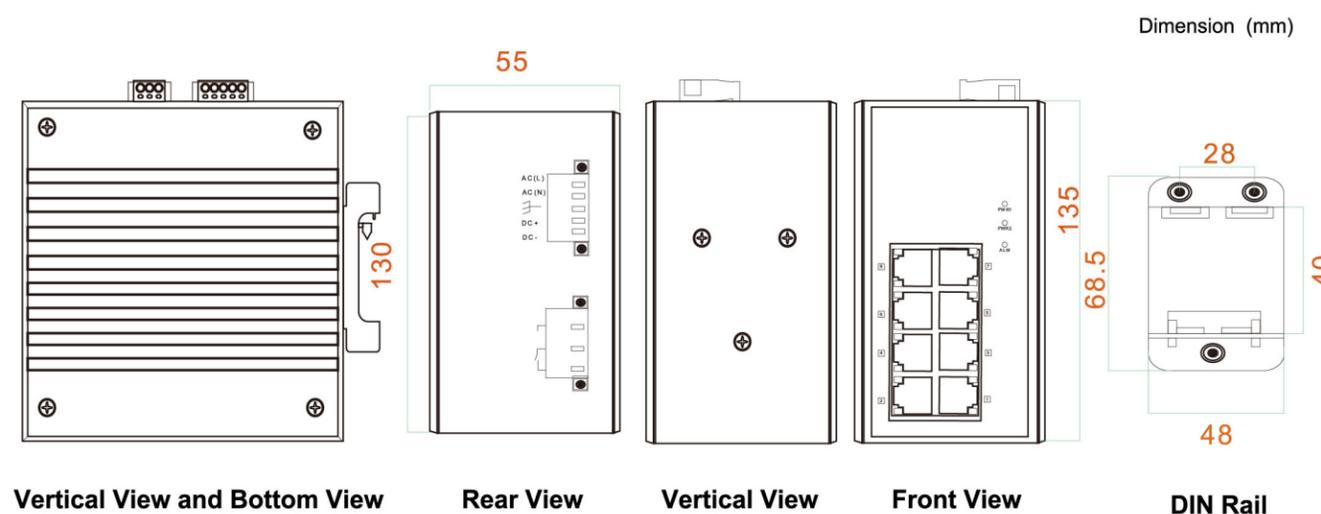
## MTBF

500000h

## Warranty

5 years

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
RS208-8GT-DC24	—	8	—
RS208-8GT-AC220	—	8	—
RS208-8GT-DC24-DC24	—	8	—

# RS608-8GT

Industrial 8-port managed Gigabyte Ethernet switch with 8x10/100/1000BaseT(X) ports



- 8x10/100/1000BaseT
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Switching bandwidth:16Gbps  
 Packet Buffer Size:2M  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 18~70V DC, Redundant dual inputs  
 Input Current :Max 0.25A

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS608-8GT is an industrial managed Ethernet switch with 8-port 10/100/1000M Ethernet, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment,

support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

- a.50/125um,800 MHz\*km optical fiber cable
- b. 62.5/125 um,500MHz\*km fiber cable
- c.9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT and IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

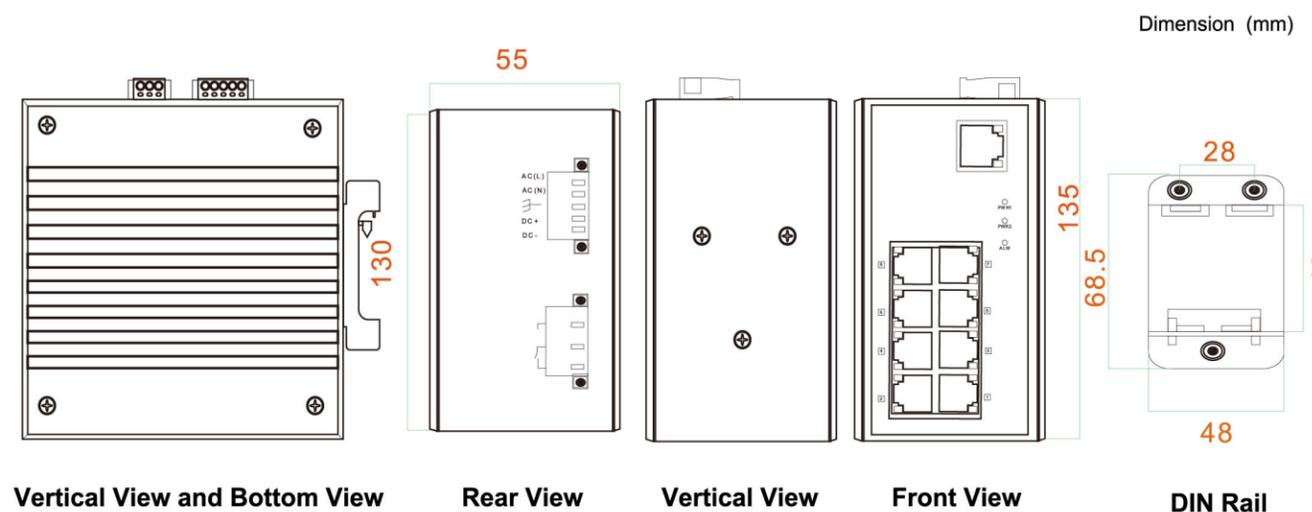
### Physical Characteristics

Housing : Aluminum, IP40Protection  
 Size: 135mm\*130mm\*55mm  
 Weight :850g  
 Installation:Din-rail mounting

### Environment

Operating temperature:-40 ~ 85℃(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85℃(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
RS608-8GT-DC24	—	8	—
RS608-8GT-AC220	—	8	—
RS608-8GT-DC24-DC24	—	8	—

# RS6010-2GF8GT

Industrial 10-port managed Ethernet switch with 8x10/100/1000Base-T (X) and 2x1000Base-X, SFP socket



- 8x10/100/1000BaseT(X) and 2x1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 20Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:1000Mbps (SFP slot)  
 RJ45 port:10/100/1000Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup, AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A, DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6010-2GF8GT is an industrial managed Ethernet switch with 8x10/100/1000Base-T(X) and 2x1000base-X SFP ports. The wide operating temperature range from -40~85℃ can satisfy most of operating environment. Therefore, it is one of the most reliable choice for

highly-managed and Fiber Ethernet application. It support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT and IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

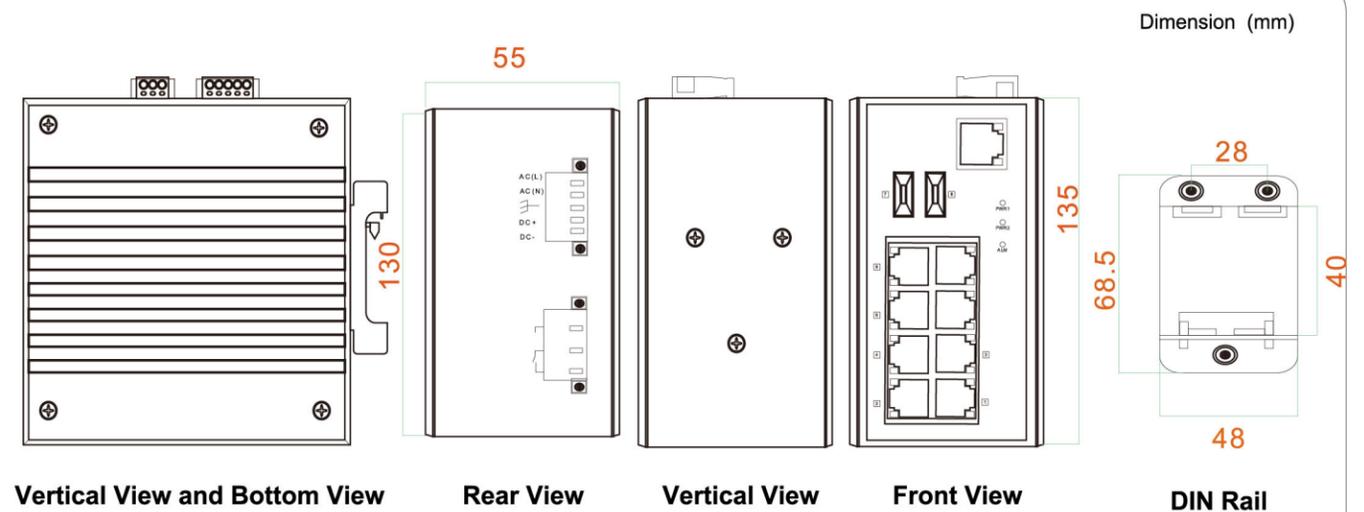
### Physical Characteristics

Housing: Aluminum, IP40 Protection  
 Dimensions: 135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS6010-2GF8GT-AC220	—	8	2
RS6010-2GF8GT-DC24	—	8	2
RS6010-2GF8GT-DC24-DC24	—	8	2
RS6010-2GF8GT-DC24-AC220	—	8	2

# RS6016-8GF8GT

Industrial 16-port managed Ethernet switch with 8x10/100/1000Base-T (X) and 8x1000Base-X, SFP socket



- 8x10/100/1000BaseT(X) and 8x1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 32Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K

## Interface

Serial Port:RS-232 (RJ45 slot)  
 Fiber port:1000Mbps (SFP slot)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A, DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6016-8GF8GT is an industrial managed Ethernet switch with 8x10/100/1000Base-T(X) and 4x1000base-X SFP ports. The wide operating temperature range from -40~85℃ can satisfy most of operating environment. Therefore, it is one of the most reliable choice for highly-managed and Fiber Ethernet application.

It support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT and IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group  
 1, 2, 3, 9

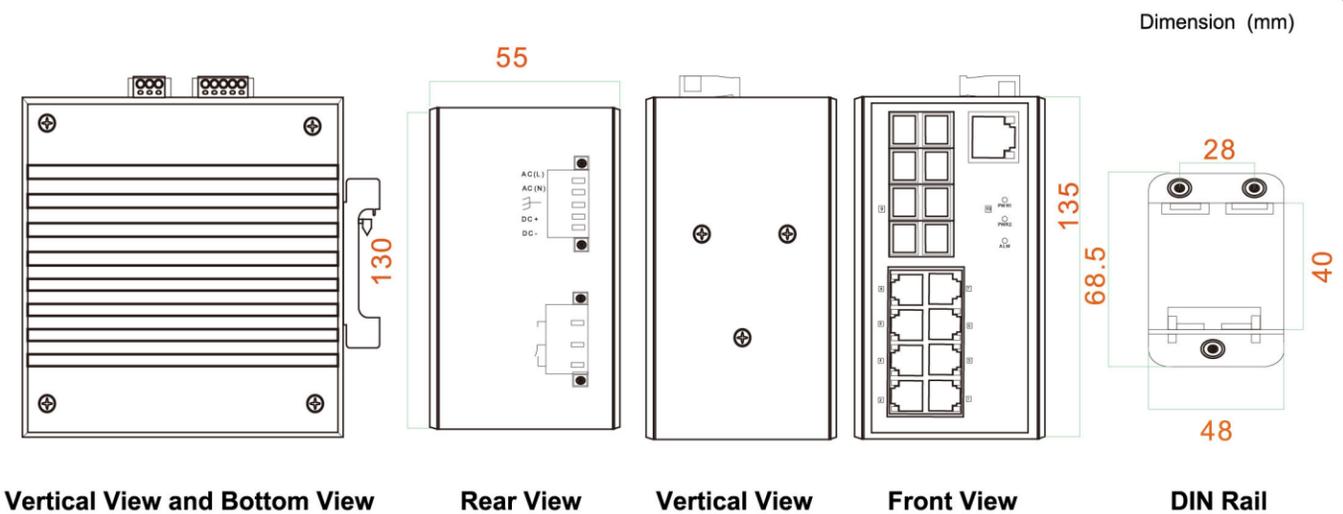
### Physical Characteristics

Housing: Aluminum, IP40 Protection  
 Dimensions: 135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS6016-8GF8GT-AC220	—	8	8
RS6016-8GF8GT-DC24	—	8	8
RS6016-8GF8GT-DC24-DC24	—	8	8
RS6016-8GF8GT-DC24-AC220	—	8	8

# RS205-5T

Industrial 5-port unmanaged PoE Ethernet switch with 5x10/100Base-T(X) P.S.E. ports



- 4x10/100BaseT(X) PoE(P.S.E.) + 1x10/100BaseT(X)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:512Kb  
 MAC table size:5K  
 Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 2 redundant backup, DC 46~75V

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

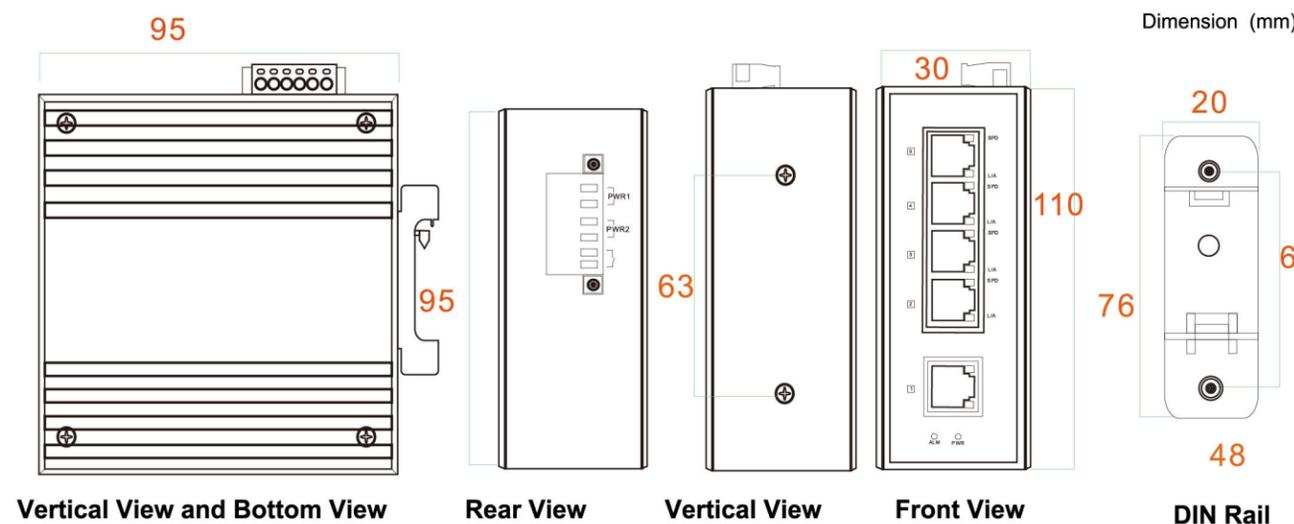
## MTBF

500000h

## Warranty

5 years

## Dimension



## Introduction

RS205-5T-AT is design for harsh industrial environment, with 4 10/100MBase-T(x) PoE(P.S.E.) and 1 10/100MBase-T(x)

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 4X10/100BaseT(X)PoE(P.S.E.) + 1X10/100MBase-T(x)
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS,SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing : Aluminum, IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 350g  
 Installation:din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
RS205-5GT-AT	—	4(P.S.E.)+1	—

# RS205-1F4T

Industrial 5-port unmanaged Ethernet switch with 4x10/100Base-T(X) ports and 1x100Base-FX



- 4x10/100BaseT(X) PoE(P.S.E.) + 1x10/100BaseT(X)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



### Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:512Kb  
 MAC table size:5K  
 Jumbo Frames:2K Bytes

### Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

### Power requirement

Input Voltage : 2 redundant backup, DC 46~75V

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS205-1F4T is design for harsh industrial environment, with 4 10/100BaseT(x) and 1100BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

### Characteristic

- 4X10/100BaseT(X)PoE(P.S.E.) + 1X10/100Base-T(x)
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

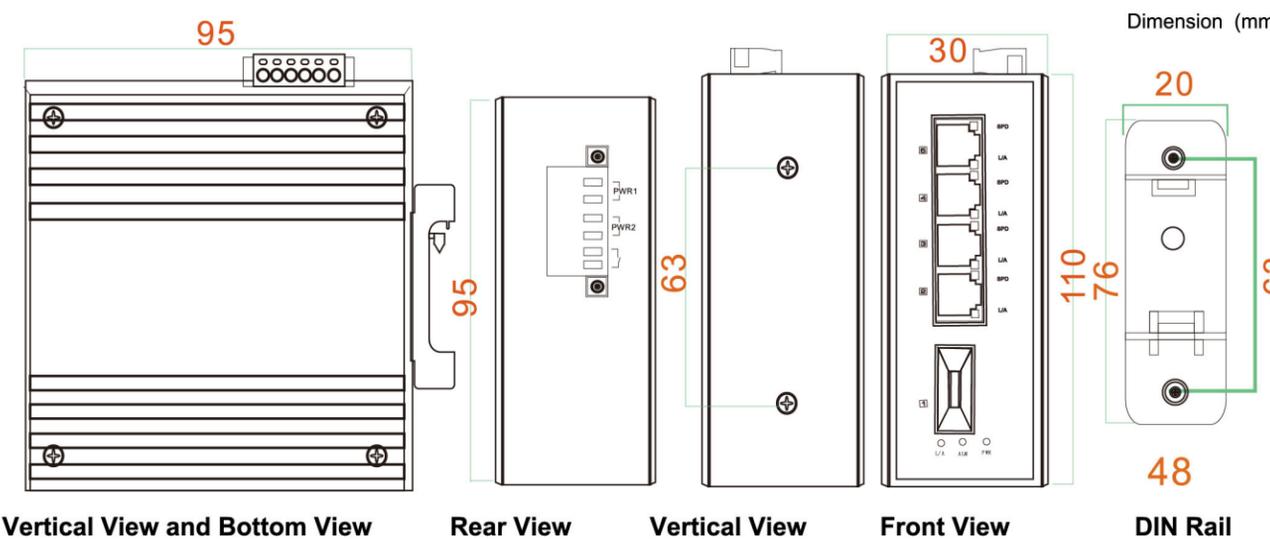
#### Physical Characteristics

Housing : Aluminum, IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 350g  
 Installation:din rail mounting

#### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

### Dimension



### Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi modeSC	Single mode SC
RS205-1F4T-DC24	4	—	—	1
RS205-1F4T-AC220	4	—	—	1
RS205-1F4T-DC24-DC24	4	—	—	1

# RS205-2F3T

Industrial 5-port unmanaged Ethernet switch with 3x10/100Base-T(X) ports and 2x100Base-FX



- 4x10/100BaseT(X) PoE(P.S.E.) + 1x10/100BaseT(X)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:512K  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage :18~70V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS205-2F3T is design for harsh industrial environment, with 3 10/100MBaseT(x) and 2100BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 4X10/100BaseT(X)PoE(P.S.E.) + 1X10/100MBase-T(x)
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT  
 and IEEE 802.3u 100BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

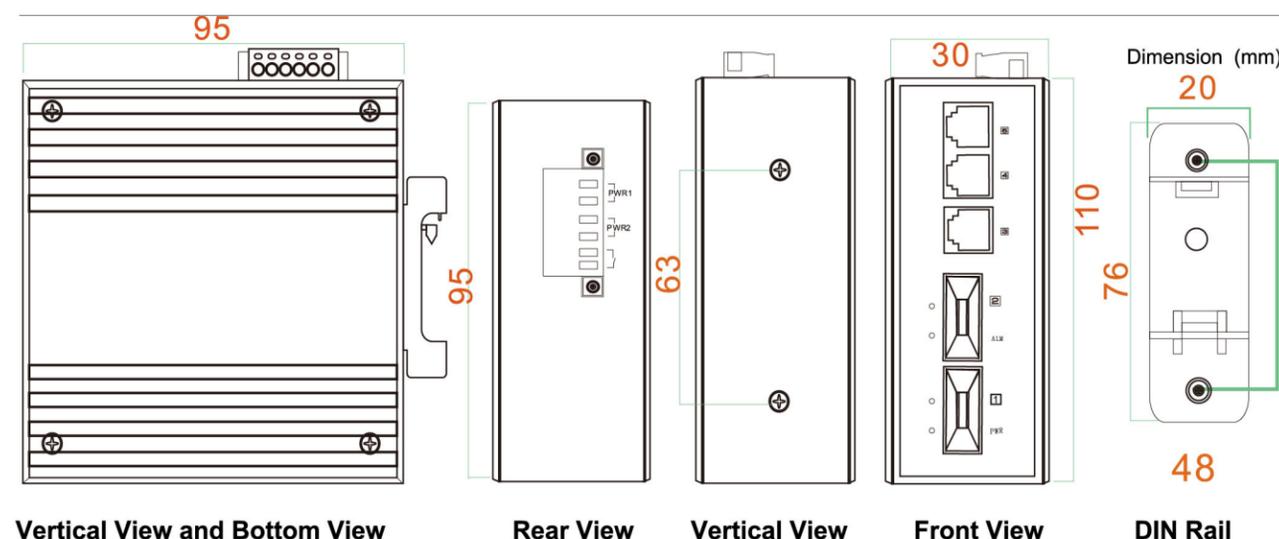
### Physical Characteristics

Housing : Aluminum, IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 350g  
 Installation:din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi modeSC	Single mode SC
RS205-2F3T-DC24	3	—	—	2
RS205-2F3T-AC220	3	—	—	2
RS205-2F3T-DC24-DC24	3	—	—	2

# RS208-8T

Industrial 8-port Unmanaged Ethernet switch  
With 8x10/100BaseT-(X) ports



- 4x10/100BaseT(X) PoE(P.S.E.) + 1x10/100BaseT(X)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Introduction

RS208-8T is design for harsh industrial environment, with 8 10/100MBaseT(x) ports.

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 8x10/100BaseT(X)
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseT

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing : Aluminum, IP40Protection  
Dimensions:135mm\*130mm\*55mm  
Weight :850g  
Installation: din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
Ambient relative humidity:5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:1.6Gbps  
Packet Buffer Size:512Kb  
MAC table size:5K  
Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage:2 redundant backup  
AC 100~240V DC18~75V  
Input Current :AC max 0.1A, DC max 0.5A  
Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Free fall:IEC60068-2-32

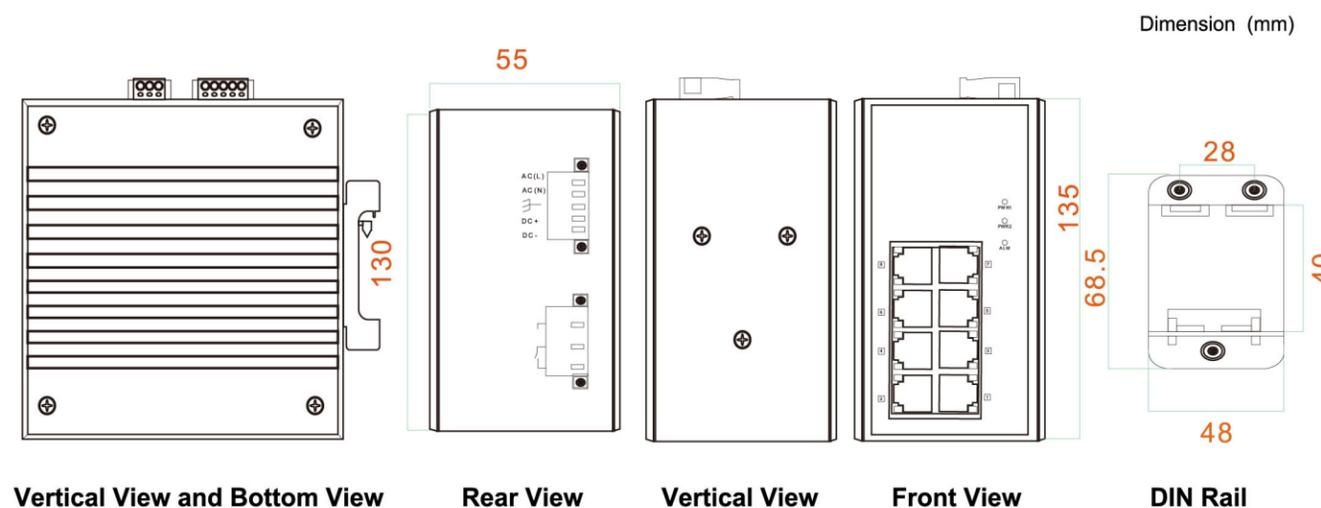
## MTBF

500000h

## Warranty

5 years

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi modeSC	Single mode SC
RS208-8T-DC24	8	—	—	—
RS208-8T-AC220	8	—	—	—
RS208-8T-DC24-DC24	8	—	—	—

# RS405-2F3T

Industrial Managed Ethernet Switch  
With 3×10/100Base-T (X) and 2×100BaseF(X)



- 3×10/100BaseT(X) 2×100BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- WEB management, support VLAN, QoS, STP/RSTP, SNMP



## Introduction

RS405-2F3T is an industrial managed Ethernet switch with 3-port 10/100M Ethernet and 2 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85 C , for harsh

network environment support IGMP snooping, VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support VLAN;
- support static multicast, IGMP Snooping;
- support web management, SNMP;
- QoS (IEEE 802.1p and DSCP) and opposite priority;
- RMON improve the network monitor and predictive ability;
- Port mirroring and trunking.

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseFX and 100BaseT
- IEEE 802.3x
- IEEE 802.1d-2004 STP
- IEEE 802.1w RSTP
- IEEE 802.1sRSTP
- IEEE 802.1p Cos
- IEEE 802.1qVLAN
- SNMPv1, HTTP, STP, RSTP

### Physical Characteristics

Housing: Aluminum, IP40 Protection  
Dimensions: 110mm\*95mm\*30mm  
Weight : 320g  
Installation : DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
VLAN : 1-4094  
VLAN-ID: 20 Switching bandwidth: 1Gbps  
Packet Buffer Size : 1Mb  
MAC Table size : 8K  
Jumbo Frame Size : 9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
Fiber port: 100Mbps (SC/ST/FC)  
RJ45 port: 10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
LED Indicator: PWR1, PWR2, ALM, Link/Act, SPD, SYS

## Power requirement

Input Voltage: 2 redundant backup,  
AC 100~240V DC 18~75V  
Input Current: AC max 0.1A, DC max 0.5A  
Consume: 5~6W

## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Freefall: IEC60068-2-32

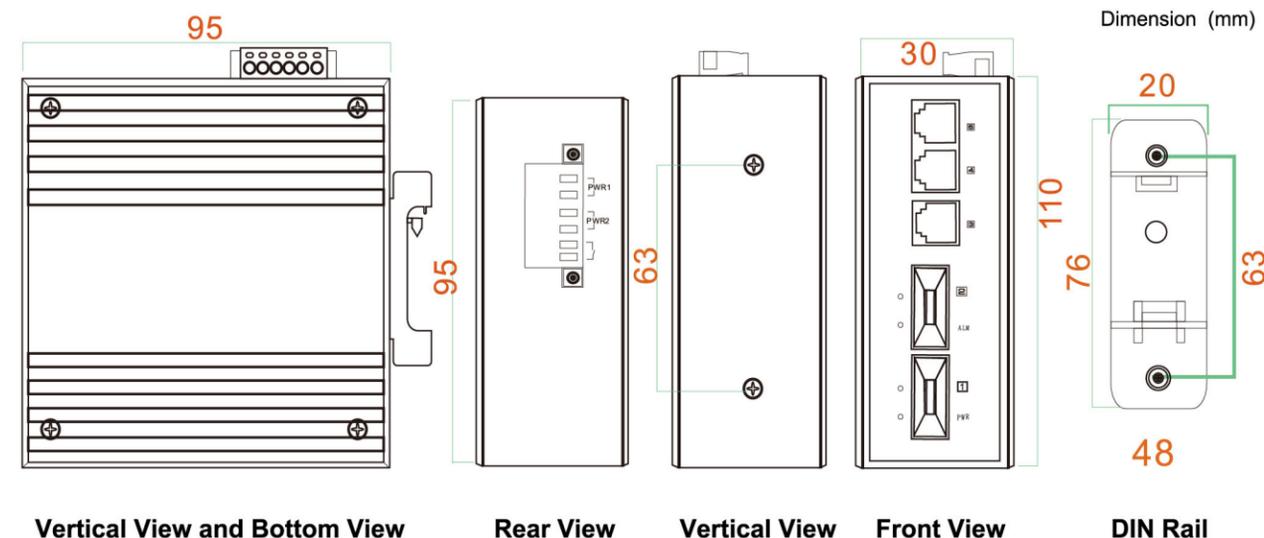
## MTBF

500000h

## Warranty

5 years

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi mode SC	Single mode SC
RS405-2F3T-AC220	3	—	2	
RS405-2F3T-DC24	3	—	2	
RS405-2F3T-DC24-DC24	3	—	2	
RS405-2F3T-DC24-AC220	3	—	2	

# RS605-1F4T

Industrial 5-port managed Gigabit Ethernet switch with 4x10/100Base-T(X) ports and 1x100Base-FX port



- 4x10/100BaseT(X) 1x100BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



### Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

### Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

### Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A, DC max 0.5A  
 Consume: 5~6W

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

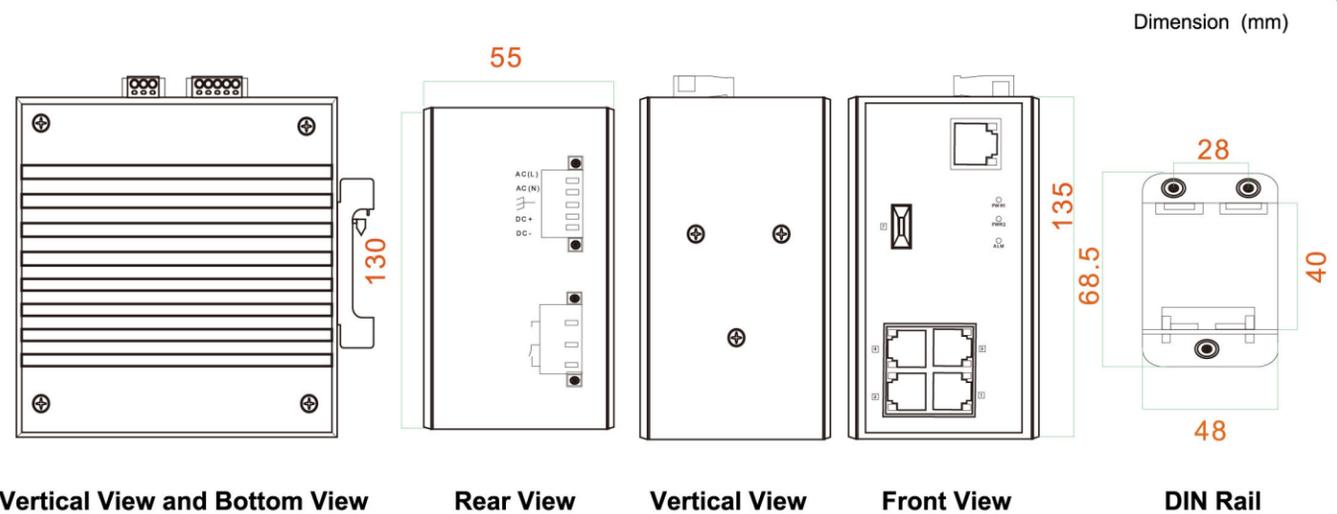
### MTBF

500000h

### Warranty

5 years

### Dimension



### Introduction

RS605-1F4T is an industrial managed Ethernet switch with 4-port 10/100M Ethernet and 1 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

### Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

#### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

#### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	100BaseFX
			multi modeSC
			Single mode SC
RS605-1F4T-AC220	4	—	1
RS605-1F4T-DC24	4	—	1
RS605-1F4T-DC24-DC24	4	—	1
RS605-1F4T-DC24-AC220	4	—	1

# RS606-2F4T

Industrial 6-port managed Ethernet switch  
With 4x10/100Base-T(X) ports and 2x100Base-FX ports



- 4x10/100BaseT(X) 1x100BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
VLAN : 1-4094  
VLAN-ID:64  
Switching bandwidth: 1Gbps  
Packet Buffer Size :3Mb  
MAC Table size :8K  
Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
Fiber port:100Mbps (SC/ST/FC)  
RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
AC 100~240V DC 18~75V  
Input Current: AC max 0.1A, DC max 0.5A  
Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS606-2F4T is an industrial managed Ethernet switch with 4-port 10/100M Ethernet and 2 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature -40 ~ 85 °C, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseFX and 100BaseT  
IEEE 802.3x  
IEEE 802.1d-2004 STP  
IEEE 802.1w RSTP  
IEEE 802.1s RSTP  
IEEE 802.1p Cos  
IEEE 802.1q VLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

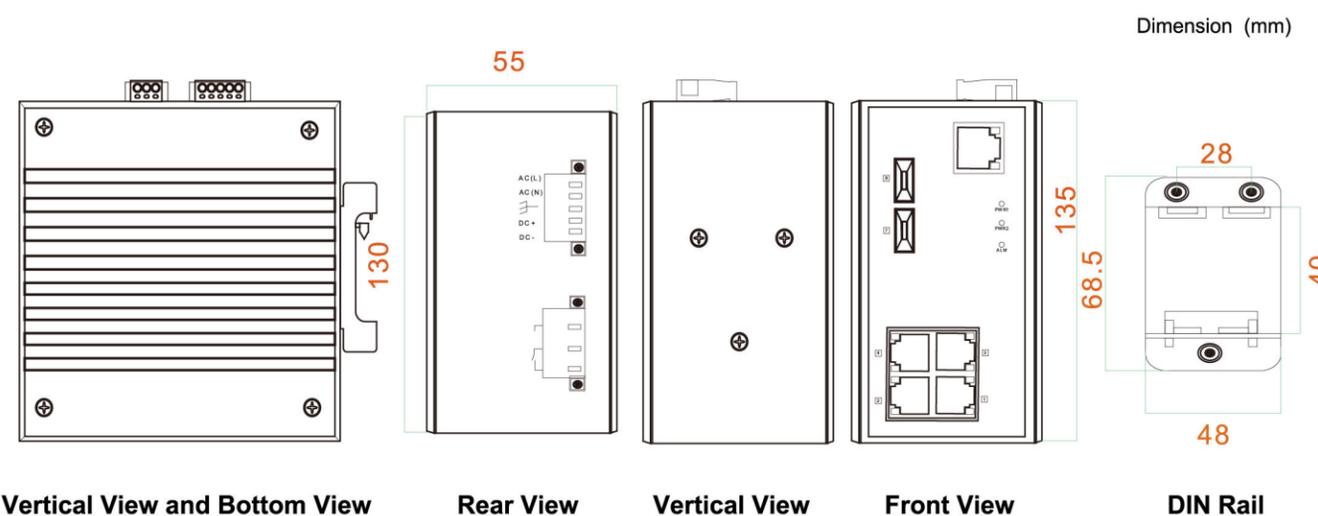
### Physical Characteristics

Housing: Aluminum, IP40 Protection  
Dimensions: 135mm\*130mm\*55mm  
Weight : 850g  
Installation : DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi mode SC	Single mode SC
RS606-2F4T-AC220	4	—	2	
RS606-2F4T-DC24	4	—	2	
RS606-2F4T-DC24-DC24	4	—	2	
RS606-2F4T-DC24-AC220	4	—	2	

# RS608-4F4T

Industrial 6-port managed Ethernet switch  
With 4x10/100Base-T(X) ports and 4x100Base-FX ports



- 4x10/100BaseT(X) 4x100BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
VLAN : 1-4094  
VLAN-ID:64  
Switching bandwidth: 1Gbps  
Packet Buffer Size :3Mb  
MAC Table size :8K  
Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
Fiber port:100Mbps (SC/ST/FC)  
RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
AC 100~240V DC 18~75V  
Input Current: AC max 0.1A,DC max 0.5A  
Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS608-4F4T is an industrial managed Ethernet switch with 4-port 10/100M Ethernet and 4 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseFX and 100BaseT  
IEEE 802.3x  
IEEE 802.1d-2004 STP  
IEEE 802.1w RSTP  
IEEE 802.1sRSTP  
IEEE 802.1p Cos  
IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
1, 2, 3, 9

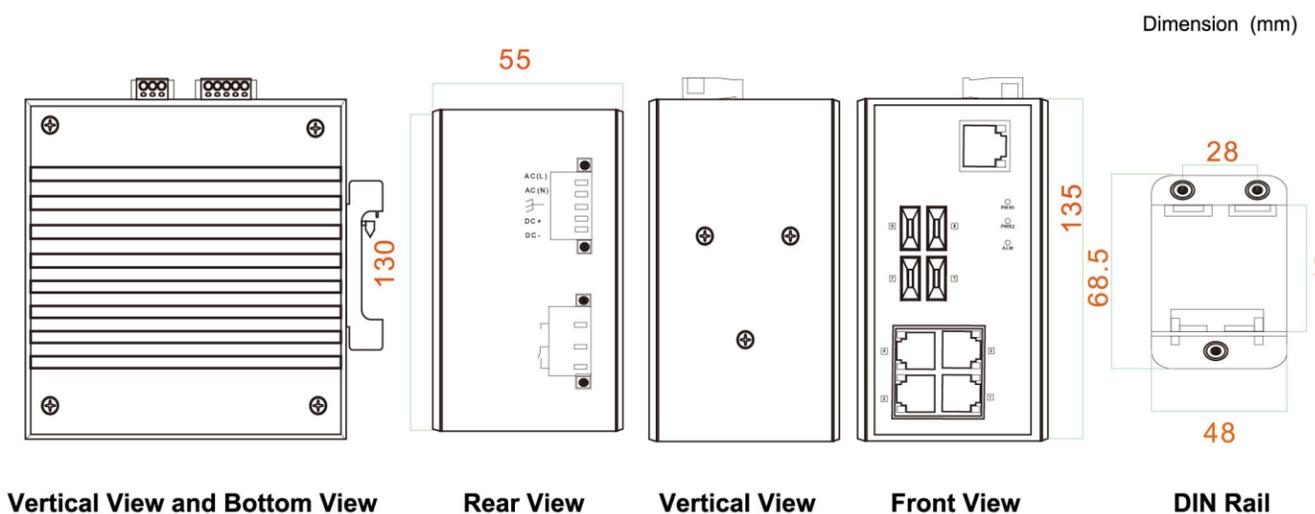
### Physical Characteristics

Housing:Aluminum,IP40Protection  
Dimensions:135mm\*130mm\*55mm  
Weight :850g  
Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	100BaseFX multi modeSC Single mode SC
RS608-4F4T-AC220	4	—	4
RS608-4F4T-DC24	4	—	4
RS608-4F4T-DC24-DC24	4	—	4
RS608-4F4T-DC24-AC220	4	—	4

# RS608-2F6T

Industrial 6-port managed Ethernet switch  
With 6×10/100Base-T(X) ports and 2×100Base-FX ports



- 6×10/100BaseT(X) 2×100BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Introduction

RS608-2F6T is an industrial managed Ethernet switch with 6-port 10/100M Ethernet and 2 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature -40 ~ 85 °C, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseFX and 100BaseT
- IEEE 802.3x
- IEEE 802.1d-2004 STP
- IEEE 802.1w RSTP
- IEEE 802.1s RSTP
- IEEE 802.1p Cos
- IEEE 802.1q VLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing: Aluminum, IP40 Protection  
Dimensions: 135mm\*130mm\*55mm  
Weight : 850g  
Installation : DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qos line: 4  
VLAN : 1-4094  
VLAN-ID: 64  
Switching bandwidth: 1Gbps  
Packet Buffer Size : 3Mb  
MAC Table size : 8K  
Jumbo Frame Size : 9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
Fiber port: 100Mbps (SC/ST/FC)  
RJ45 port: 10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
LED Indicator: PWR1, PWR2, ALM, Link/Act, SPD, SYS

## Power requirement

Input Voltage: 2 redundant backup,  
AC 100~240V DC 18~75V  
Input Current: AC max 0.1A, DC max 0.5A  
Consume: 5~6W

## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Freefall: IEC60068-2-32

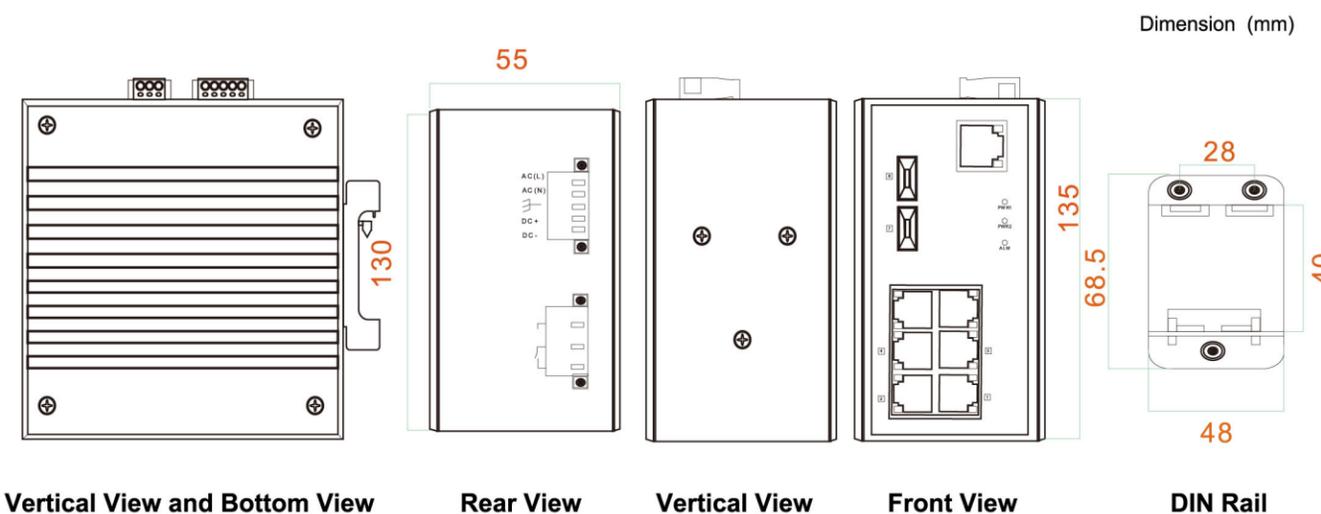
## MTBF

500000h

## Warranty

5 years

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	100BaseFX multi mode SC    Single mode SC
RS608-2F6T-AC220	6	—	2
RS608-2F6T-DC24	6	—	2
RS608-2F6T-DC24-DC24	6	—	2
RS608-2F6T-DC24-AC220	6	—	2

# RS608-2GF6T

Industrial 8-port managed Ethernet switch with 6×10/100Base-T(X) ports and 2×1000Base-X,SFP socket



- 6×10/100BaseT(X) 2×1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS608-2GF6T is an industrial managed Ethernet switch with 6-port 10/100M Ethernet and 2 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature -40 ~ 85 °C, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

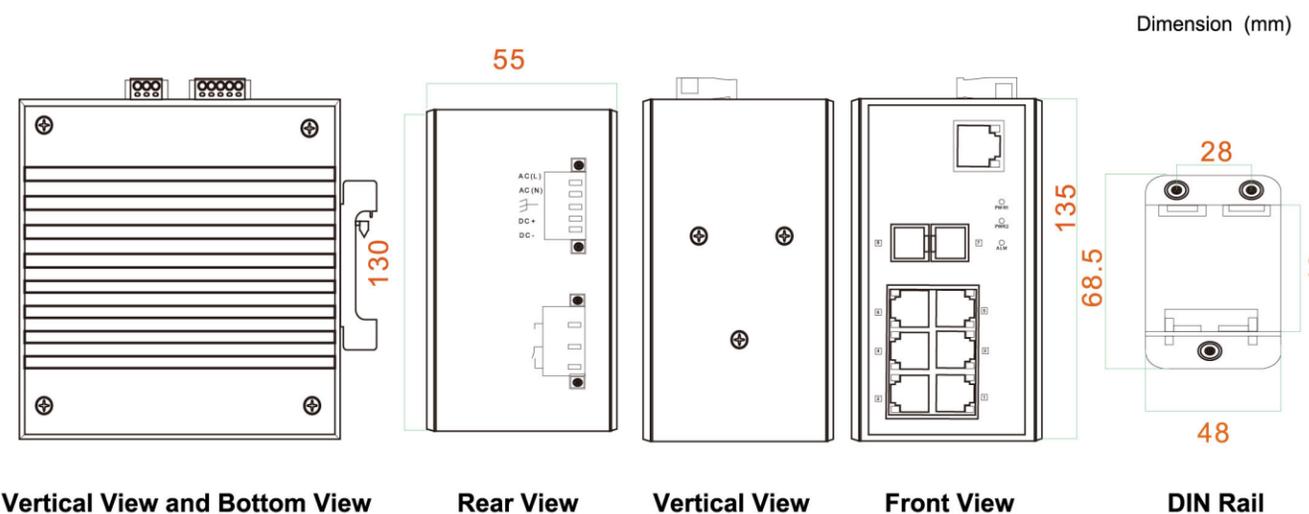
### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS608-2GF6T-AC220	6	—	2
RS608-2GF6T-DC24	6	—	2
RS608-2GF6T-DC24-DC24	6	—	2
RS608-2GF6T-DC24-AC220	6	—	2

# RS608-8T

Industrial 8-port managed Ethernet switch with 8x10/100Base-T(X) ports



- 8x10/100BaseT
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Introduction

RS608-8T is an industrial managed Ethernet switch with 6-port 10/100M Ethernet and 2 port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseFX and 100BaseT
- IEEE 802.3x
- IEEE 802.1d-2004 STP
- IEEE 802.1w RSTP
- IEEE 802.1sRSTP
- IEEE 802.1p Cos
- IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
1, 2, 3, 9

### Physical Characteristics

Housing:Aluminum,IP40Protection  
Dimensions:135mm\*130mm\*55mm  
Weight :850g  
Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qos line: 4  
VLAN : 1-4094  
VLAN-ID:64  
Switching bandwidth: 1.6Gbps  
Packet Buffer Size :3Mb  
MAC Table size :8K  
Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
Fiber port:100Mbps (SC/ST/FC)  
RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
AC 100~240V DC 18~75V  
Input Current: AC max 0.1A,DC max 0.5A  
Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

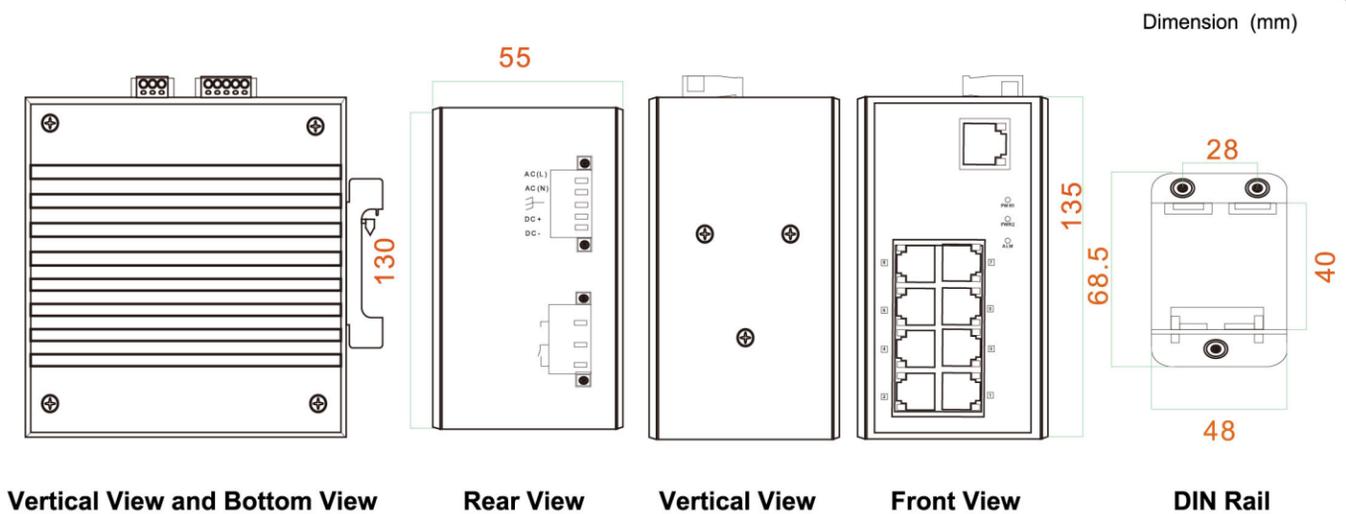
## MTBF

500000h

## Warranty

5 years

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi modeSC   Single mode SC
RS608-8T-AC220	8	—	—
RS608-8T-DC24	8	—	—
RS608-8T-DC24-DC24	8	—	—
RS608-8T-DC24-AC220	8	—	—

# RS609-2GF1F6T

Industrial 9-port managed Ethernet switch with 6×10/100Base-T(X) ports and 1×100Base-FX ports and 2×1000Base-X,SFP socket



- 6 ×10/100BaseT(X) 1×100BaseF(X) 2×1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1.6Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS609-2GF1F6T is an industrial managed Ethernet switch with 6-port 10/100M Ethernet, 1 port 100baseF(x) and 2 port 1000baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85 C , for harsh network environment, support full range managed switch

function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

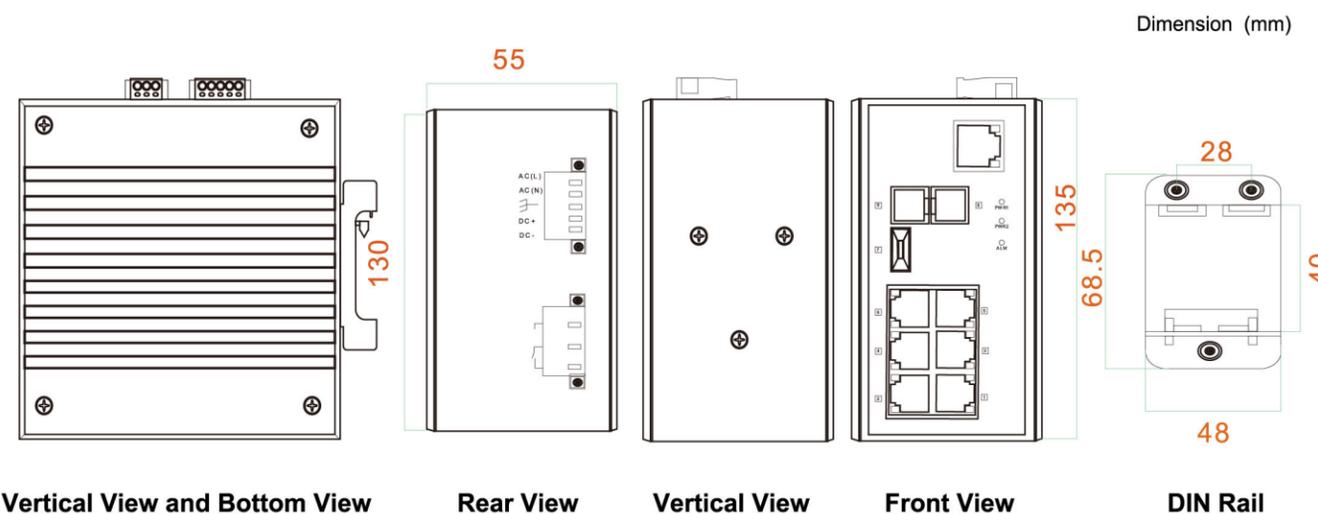
### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			SC	SFP(slot)
RS609-2GF1F6T-AC220	6	—	1	2
RS609-2GF1F6T-DC24	6	—	1	2
RS609-2GF1F6T-DC24-DC24	6	—	1	2
RS609-2GF1F6T-DC24-AC220	6	—	1	2

# RS609-1F8T

Industrial 9-port managed Ethernet switch with 8×10/100Base-T(X) ports and 1×100Base-FX ports



- 8×10/100Base-T(X) ports and 1×100Base-FX ports
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

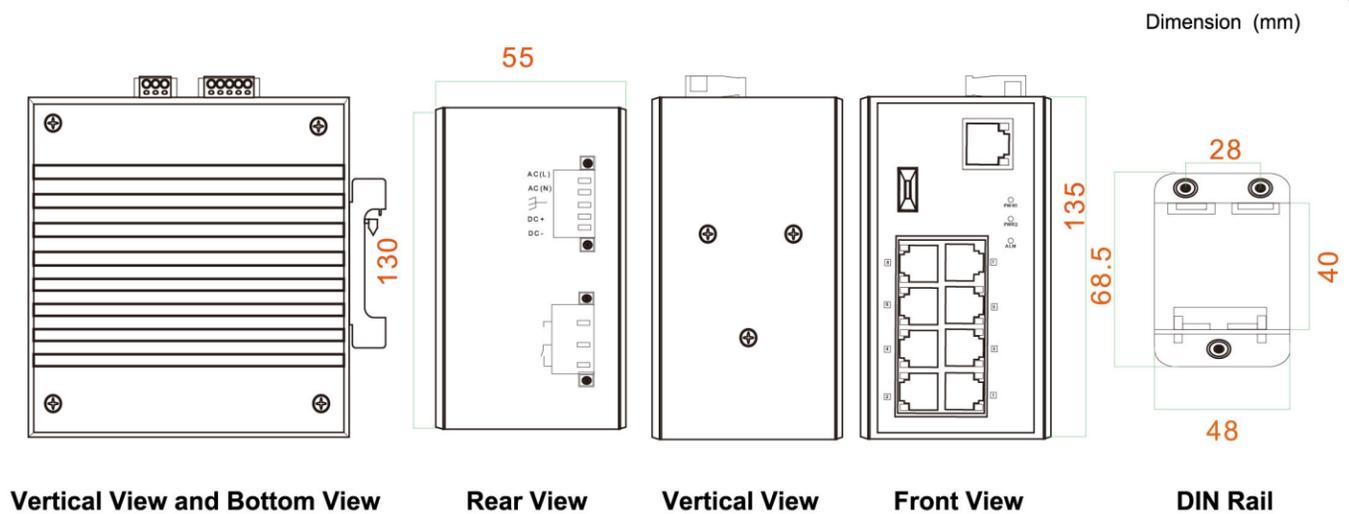
## MTBF

500000h

## Warranty

5 years

## Dimension



## Introduction

RS609-1F8T is an industrial managed Ethernet switch with 8-port 10/100M Ethernet, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85 °C, for harsh network environment, support full range managed switch function, including IGMP snooping, IEEE 802.1Q

VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (- 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (- 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	100BaseFX multi modeSC Single mode SC
RS609-1F8T-AC220	8	—	1
RS609-1F8T-DC24	8	—	1
RS609-1F8T-DC24-DC24	8	—	1
RS609-1F8T-DC24-AC220	8	—	1

# RS609-1GF8T

Industrial 9-port managed Ethernet switch with 8×10/100Base-T(X) ports and 1×1000Base-X,SFP socket



- 8×10/100Base-T(X) ports and 1×1000Base-FX ports
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



### Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

### Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

### Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS609-1GF8T is an industrial managed Ethernet switch with 8-port 10/100M Ethernet and 1 port 1000baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

### Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

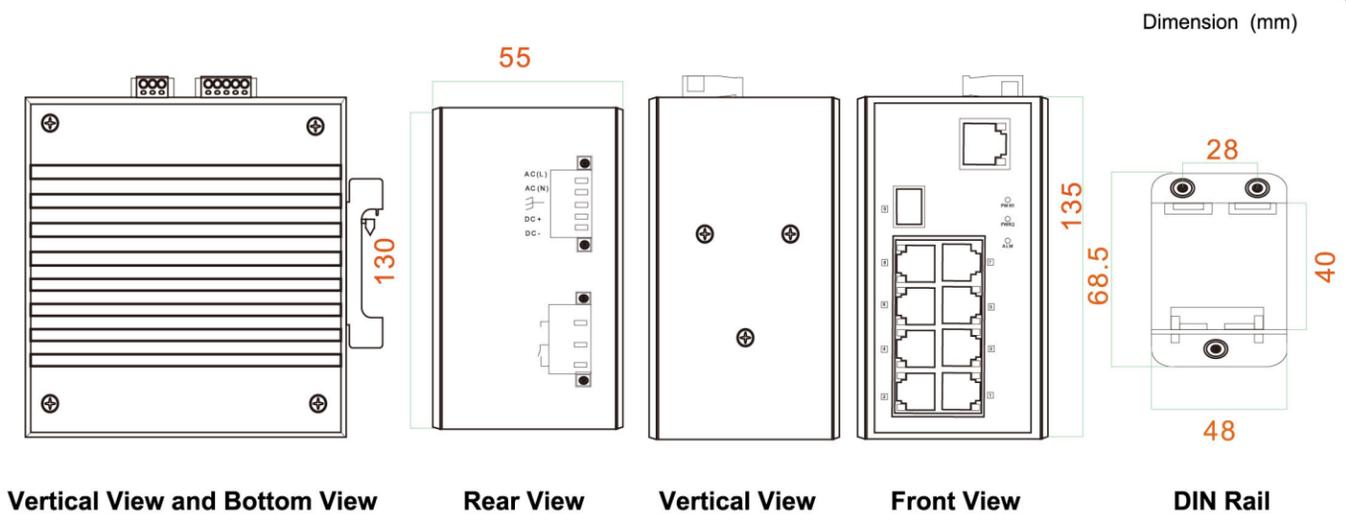
#### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

#### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

### Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS609-1GF8T-AC220	8	—	1
RS609-1GF8T-DC24	8	—	1
RS609-1GF8T-DC24-DC24	8	—	1
RS609-1GF8T-DC24-AC220	8	—	1

# RS609-3F6T

Industrial 9-port managed Ethernet switch with 6×10/100Base-T(X) ports and 3×100Base-FX ports



- 6×10/100BaseT(X) 3×100BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS609-3F6T is an industrial managed Ethernet switch with 6-port 10/100M Ethernet and 3-port 100baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

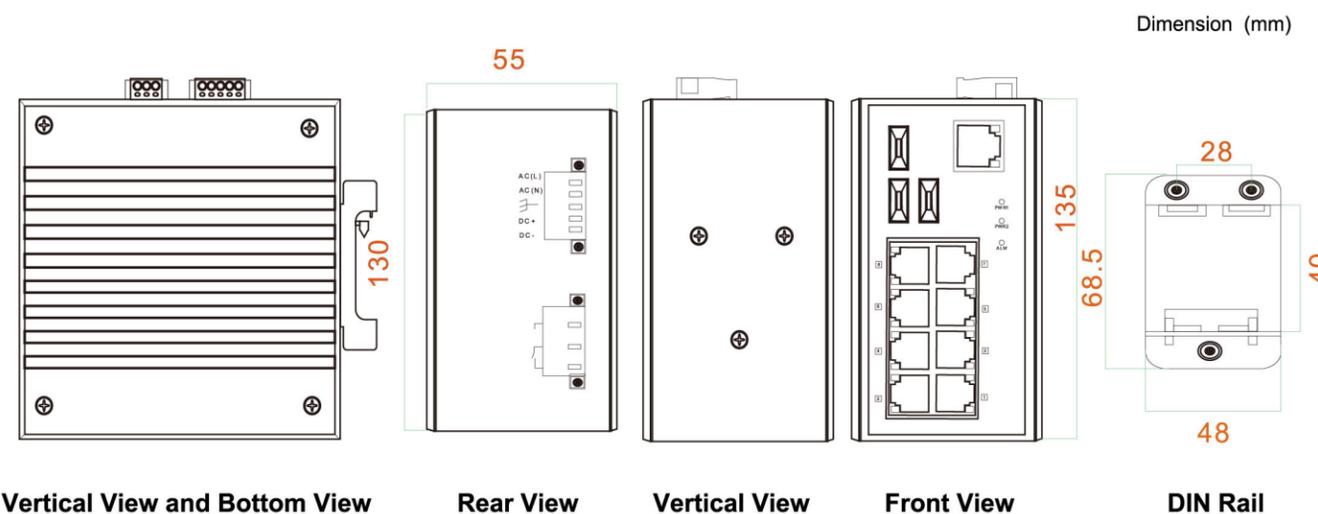
### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	100BaseFX multi modeSC Single mode SC
RS609-3F6T-AC220	6	—	3
RS609-3F6T-DC24	6	—	3
RS609-3F6T-DC24-DC24	6	—	3
RS609-3F6T-DC24-AC220	6	—	3

# RS609-3GF6T

Industrial 9-port managed Ethernet switch with 6×10/100Base-T(X) ports and 3×1000Base-X,SFP socket



- 6×10/100BaseT(X) 3×1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



### Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

### Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

### Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS609-3GF6T is an industrial managed Ethernet switch with 6-port 10/100M Ethernet and 3 port 1000baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

### Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

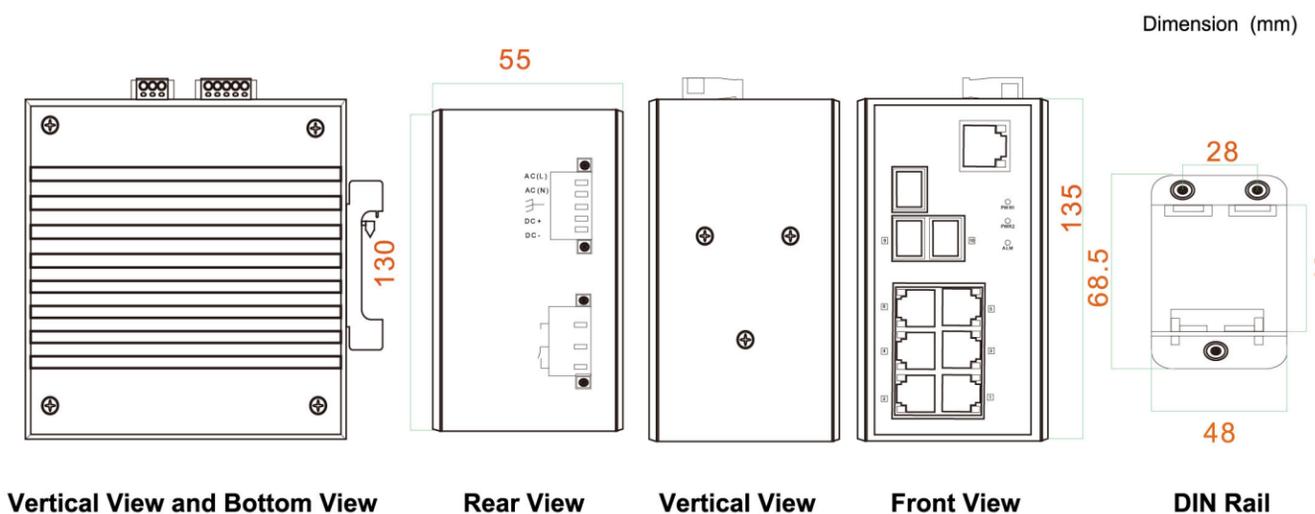
#### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

#### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

### Dimension



Vertical View and Bottom View    Rear View    Vertical View    Front View    DIN Rail

### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS609-3GF6T-AC220	6	—	3
RS609-3GF6T-DC24	6	—	3
RS609-3GF6T-DC24-DC24	6	—	3
RS609-3GF6T-DC24-AC220	6	—	3

# RS6010-3GF7T

Industrial 10-port managed Ethernet switch with 7×10/100Base-T(X) ports and 3×1000Base-X,SFP socket



- 7×10/100BaseT(X) 3×1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6010-3GF7T is an industrial managed Ethernet switch with 7-port 10/100M Ethernet and 3 port 1000baseFX, no fan, low consumption, Industrial grade 4 standard. Working temperature-40 ~ 85℃, for harsh network environment, support full range managed switch function,

including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT-Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predictive ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

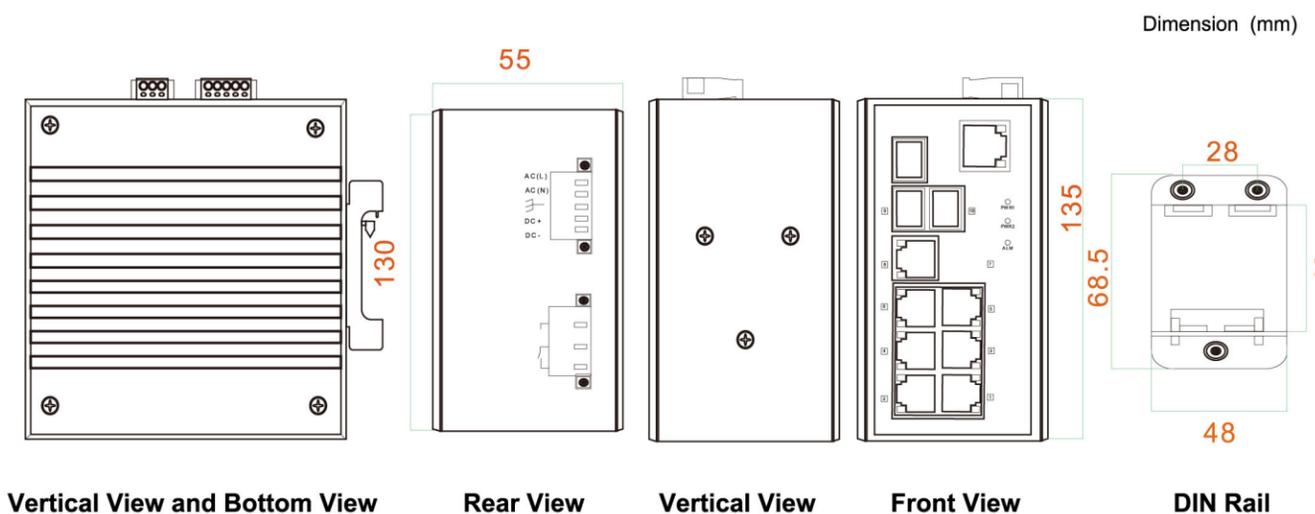
### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Storage Temperature: -40 ~ 85℃ (-40 ~ 185°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View    Rear View    Vertical View    Front View    DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS6010-3GF7T-AC220	7	—	3
RS6010-3GF7T-DC24	7	—	3
RS6010-3GF7T-DC24-DC24	7	—	3
RS6010-3GF7T-DC24-AC220	7	—	3

# RS6010-2GF8T

Industrial 10-port managed Ethernet switch with 8x10/100Base-T (X) and 2x1000Base-X, SFP socket



- 8x10/100BaseT(X) 2x1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port: RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A, DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6010-2GF8T is an industrial managed Ethernet switch with 8x10/100Base-T(X) and 2x1000base-X SFP ports. The wide operating temperature range from -40~85℃ can satisfy most of operating environment. Therefore, it is one of the most reliable choice for highly-managed and Fiber Ethernet application. It support full range

managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

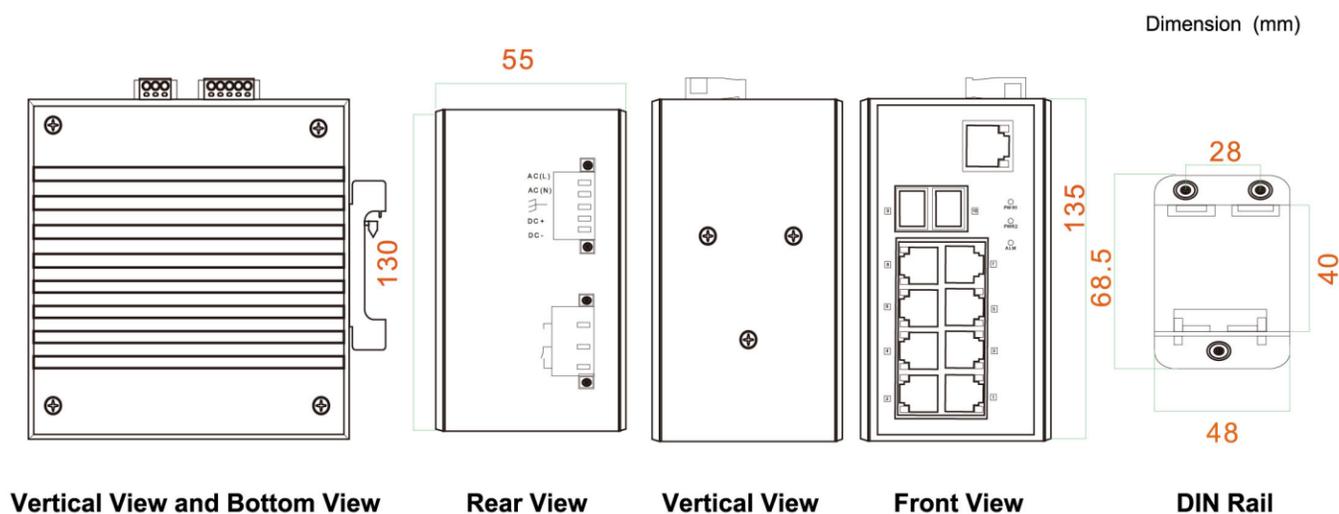
### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS6010-2GF8T-AC220	8	—	2
RS6010-2GF8T-DC24	8	—	2
RS6010-2GF8T-DC24-DC24	8	—	2
RS6010-2GF8T-DC24-AC220	8	—	2

# RS2010-2GF2GT8T

Industrial 10-port unmanaged Ethernet switch with 8x10/100Base-T(X) ports and 2xGigabit combo ports, SFP socket



- 8x10/100BaseT(X) and 2xGigabit combo ports, SFP socket
- support 10/100Mbps, automatic MDI/MDI-X
- 18~70V DC or AC 100~240V power inputs
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Introduction

RS2010-2GF2GT8T is design for harsh industrial environment, with 8 10/100BaseT(x) and 2xGigabit combo ports

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 8 10/100BaseT(X) and 2Gigabit combo ports;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 Aluminum housing protection and Din rail design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseT  
IEEE 802.3z 1000BaseT  
and IEEE 802.3u 100BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing: Aluminum, IP40 Protection  
Dimensions: 135mm\*130mm\*55mm  
Weight : 850g  
Installation : DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qos line: 4  
VLAN : 1-4094  
VLAN-ID:64  
Switching bandwidth: 1Gbps  
Packet Buffer Size :3Mb  
MAC Table size :8K  
Jumbo Frame Size :9.6K Bytes

## Port

Fiber Ports:1000Mbps  
RJ45 Port:10/100/1000Mbps,  
Full/Halfduplex, MDI/MDI-X  
LED Light: PWR, ALM, L/A, SPD

## Power requirement

Input Voltage :18~70V DC,  
Redundant dual  
Input Current :Max 0.25A

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

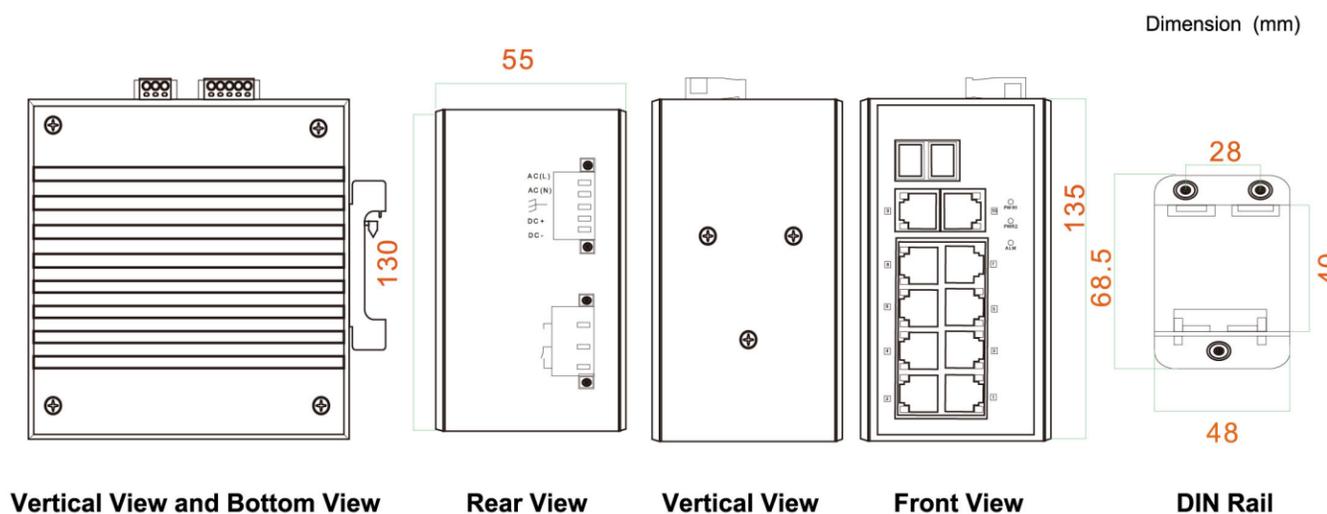
## MTBF

500000h

## Warranty

5 years

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			SFP(slot)	Single mode SC
RS2010-2GF2GT8T-AC220	8	2	2	—
RS2010-2GF2GT8T-DC24	8	2	2	—
RS2010-2GF2GT8T-DC24-DC24	8	2	2	—
RS2010-2GF2GT8T-DC24-AC220	8	2	2	—

# RS6010-2GF2GT8T

Industrial 10-port managed Ethernet switch with 8×10/100Base-T (X) and 2×Gigabit combo ports, SFP socket



- 8×10/100BaseT(X) and 2×Gigabit combo ports, SFP socket
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature: -40°C ~ 85°C
- Command line (CLI) + WEB
- support WT-Ring (recovery time < 50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port:RS-232 (RJ45 slot)  
 Fiber port:1000Mbps (SFP slot)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A, DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6010-2GF2GT8T is an industrial managed Ethernet switch with 8×10/100Base-T(X) and 2×Gigabit combo ports. The wide operating temperature range from -40~85°C can satisfy most of operating environment. Therefore, it is one of the most reliable choice for highly-managed and Fiber Ethernet application. It support full range

managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT IEEE 802.3u 100BaseT  
 IEEE 802.3z 1000BaseT and IEEE 802.3u 100BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1s RSTP  
 IEEE 802.1p Cos  
 IEEE 802.1q VLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group  
 1, 2, 3, 9

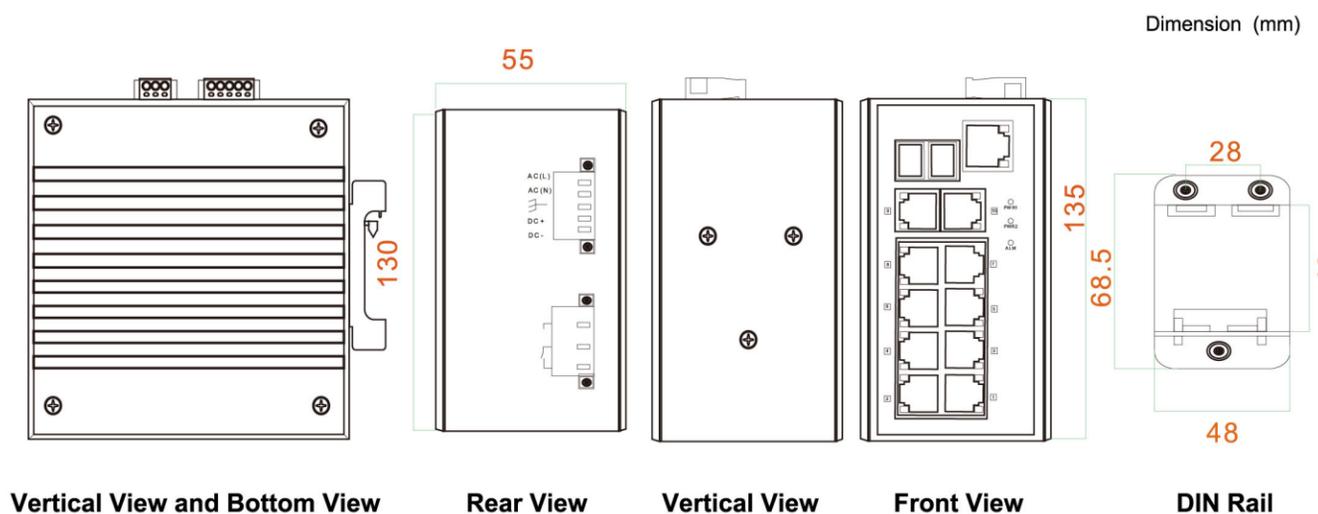
### Physical Characteristics

Housing: Aluminum, IP40 Protection  
 Dimensions: 135mm\*130mm\*55mm  
 Weight : 850g  
 Installation : DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS6010-2GF2GT8T-AC220	8	2	2
RS6010-2GF2GT8T-DC24	8	2	2
RS6010-2GF2GT8T-DC24-DC24	8	2	2
RS6010-2GF2GT8T-DC24-AC220	8	2	2

# RS202-1F1T

Industrial PoE Ethernet to fiber media converter with 1x10/100Base-T(X) P.S.E. to 1x100Base-FX



- 1x10/100BaseT(X) 1x100BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



### Switch Property

Switching bandwidth:400Mbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

### Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

### Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS202-1F1T-AT is design for harsh industrial environment, with 1 10/100MBaseT(x) P.S.E. and 1100BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC protection, mainly use for harsh industrial environment with stable function.

### Characteristic

- 1x10/100BaseT(X) and 1x100BaseFX;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design, shock resistance mental housing
- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT  
 and IEEE 802.3u 100BaseFX

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

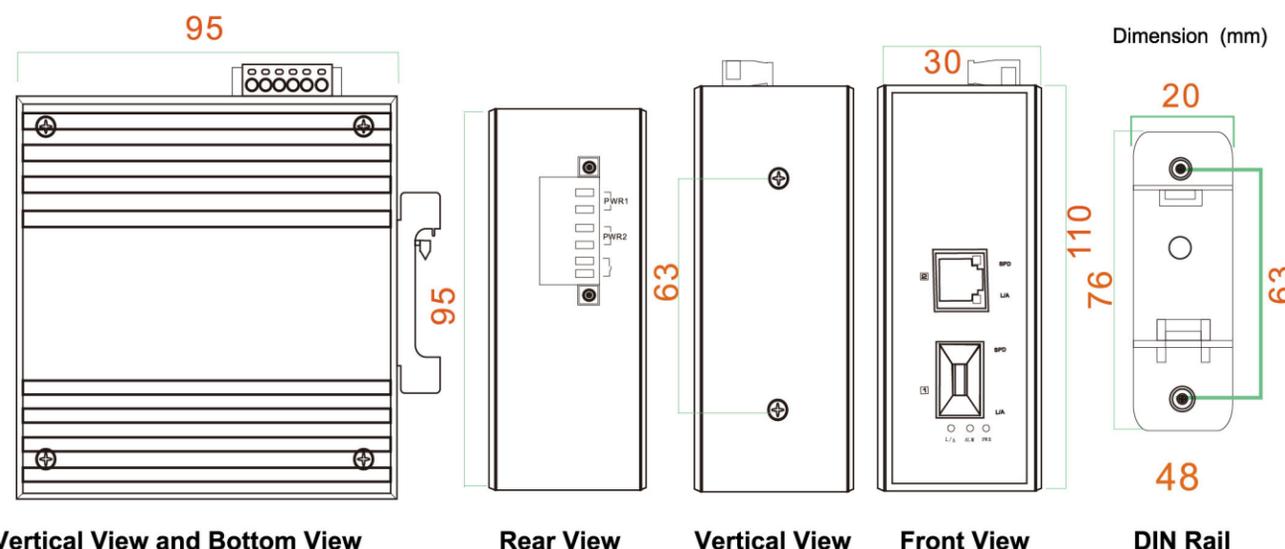
#### Physical Characteristics

Housing : Aluminum, IP40 Protection  
 Size: 110 x 95x 30mm  
 Weight : 320g  
 Installation: din rail mounting

#### Environment

Operating temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Storage temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Ambient relative humidity: 5 ~ 95% (non-condensing)

### Dimension



### Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi mode SC	Single mode SC
RS202-1F1T-AT	1(P.S.E.)	—	—	1

# RS202-1GF1GT

Industrial Gigabit PoE Ethernet to fiber media converter with 1x10/100/1000Base-T(X) P.S.E. to 1x1000Base-X,SFP socket



- 1x10/100BaseT(X) 1x1000BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



### Switch Property

Switching bandwidth:400Mbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

### Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

### Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS202-1GF1GT-ATis design for harsh industrial environment,with 1 10/100/1000MBaseT(x) P.S.E. and 1 1000BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment.

### Characteristic

- 1x10/100BaseT(X) and 1x1000BaseFX;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design, shock resistance mental housing
- a.50/125um,800 MHz\*kmoptical fiber cable
- b. 62.5/125 um,500MHz\*km fiber cable
- c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

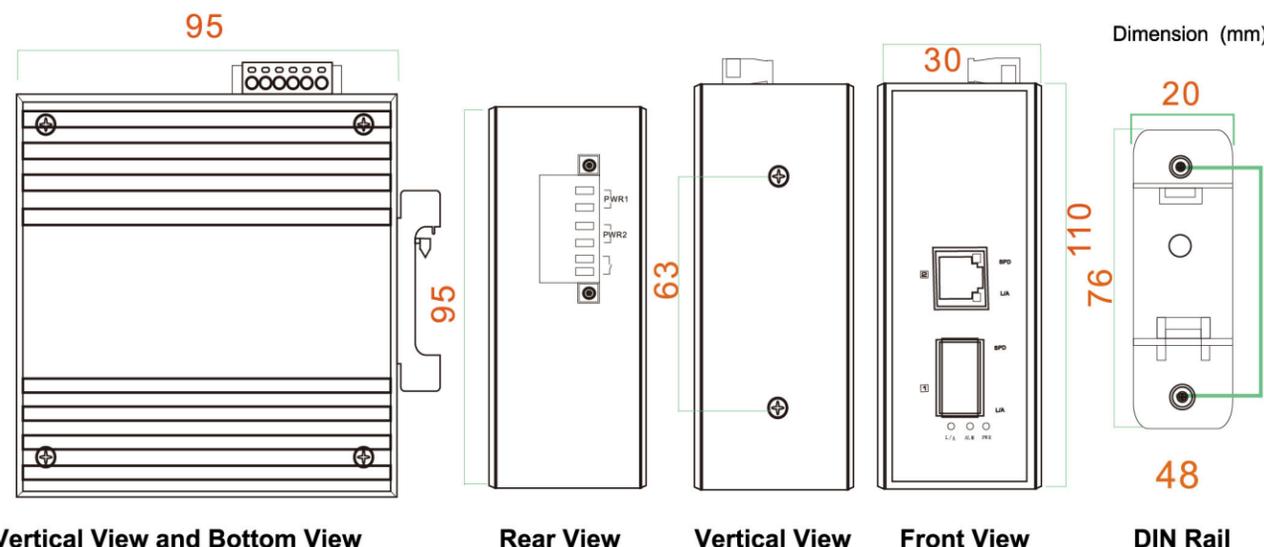
#### Physical Characteristics

Housing : Aluminum, IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 320g  
 Installation:Din rail mounting

#### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

### Dimension



### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS202-1GF1GT-AT	—	1(P.S.E.)	1

# RS203-1F2T

Industrial PoE Ethernet to fiber media converter with 1x10/100Base-T(X) P.S.E. to 2x100Base-FX



- 1x10/100BaseT(X) 2x100BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:400Mbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS203-1F2T-AT is design for harsh industrial environment, with 1X 10/100BaseT(x) P.S.E. and 2X100BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 1x10/100BaseT(X) and 1x100BaseFX;
  - -40 ~ 85 °C operating temperature;
  - Redundant dual power input;
  - IP40 protection, fanless design, shock resistance mental housing
- a. 50/125um, 800 MHz\*km optical fiber cable  
 b. 62.5/125 um, 500MHz\*km fiber cable  
 c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT  
 and IEEE 802.3u 100BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

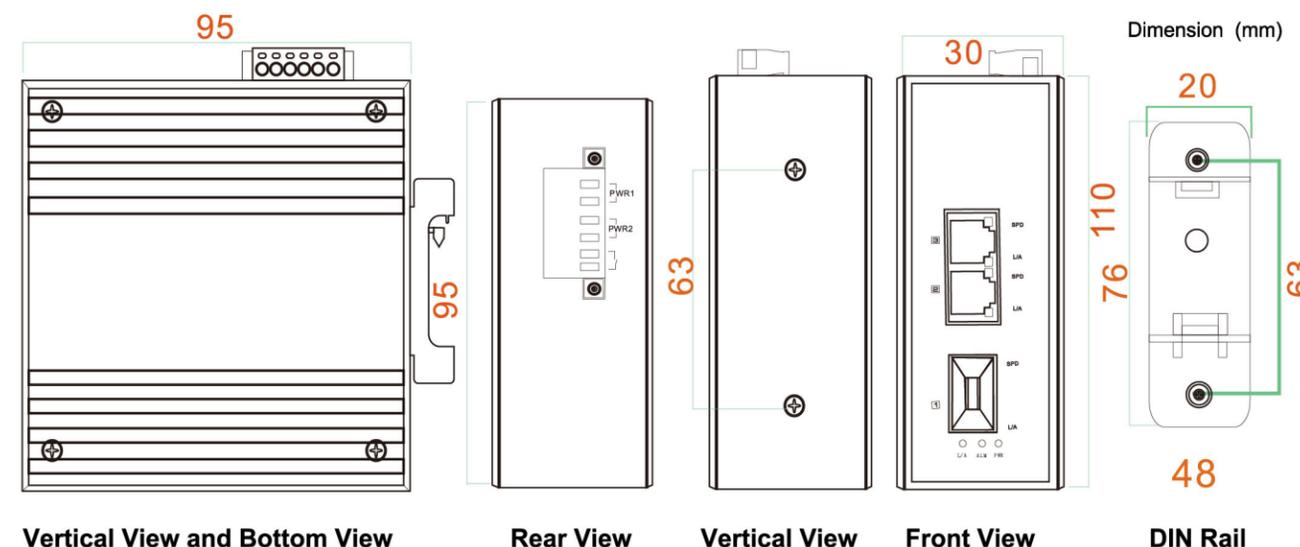
### Physical Characteristics

Housing : Aluminum, IP40 Protection  
 Size: 110 x 95x 30mm  
 Weight : 320g  
 Installation: din rail mounting

### Environment

Operating temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Storage temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Ambient relative humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi mode SC	Single mode SC
RS203-1F2T-AT	1(P.S.E.)	—	—	1

# RS203-1GF2GT

Industrial Gigabit PoE Ethernet to fiber media converter with 1x10/100/1000Base-T(X) P.S.E. to 2x1000Base-X,SFP socket



- 1x10/100BaseT(X) 2x1000BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:400Mbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS203-1GF2GT-ATis design for harsh industrial environment,with 1X 10/100/1000MBaseT(x) P.S.E. and 2X1000BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment.

## Characteristic

- 1x10/100BaseT(X) and 1x1000BaseFX;
  - -40 ~ 85 °C operating temperature;
  - Redundant dual power input;
  - IP40 protection, fanless design, shock resistance mental housing
- a.50/125um,800 MHz\*kmoptical fiber cable  
 b. 62.5/125 um,500MHz\*km fiber cable  
 c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

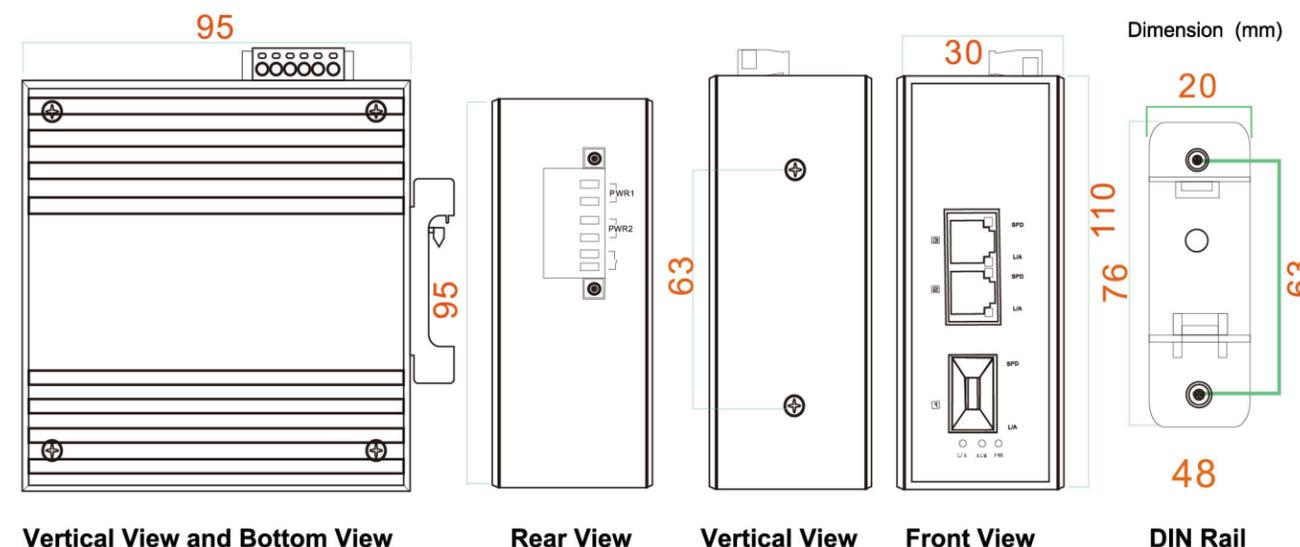
### Physical Characteristics

Housing : Aluminum, IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 320g  
 Installation:Din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS203-1GF2GT-DC24	—	2	1
RS203-1GF2GT-AC220	—	2	1
RS203-1GF2GT-DC24-DC24	—	2	1

# RS205-5GT-AT

Industrial 5-port unmanaged GigabytePoEEthernet switch  
With 5x10/100/1000BaseT(X) P.S.E. ports



- 4x10/100/1000BaseT(X) PoE(P.S.E.)+1x10/100/1000BaseT(X)
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40℃ ~85℃ operating temperature range



### Switch Property

Switching bandwidth:10Gbps  
Packet Buffer Size:2M  
MAC table size:8K  
Jumbo Frames:9.6K Bytes

### Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
LEDLight:PWR,ALM, L/A,SPD,PoE

### Power requirement

Input Voltage : 2 redundant backup, DC 46~75V

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS205-5GT-AT is design for harsh industrial environment, with 4 x10/100/1000BaseT(X) PoE(P.S.E.)+1x10/100/1000BaseT(X). The units with IP40 aluminum protection, din rail design, -40℃ ~ 85℃ operation temperature and fine EMC function, mainly used for harsh industrial environment.

### Characteristic

- 4x10/100/1000BaseT(X) (P.S.E.) 1x10/100/1000BaseT(X)
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT,  
IEEE 802.3z 1000BaseFX

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

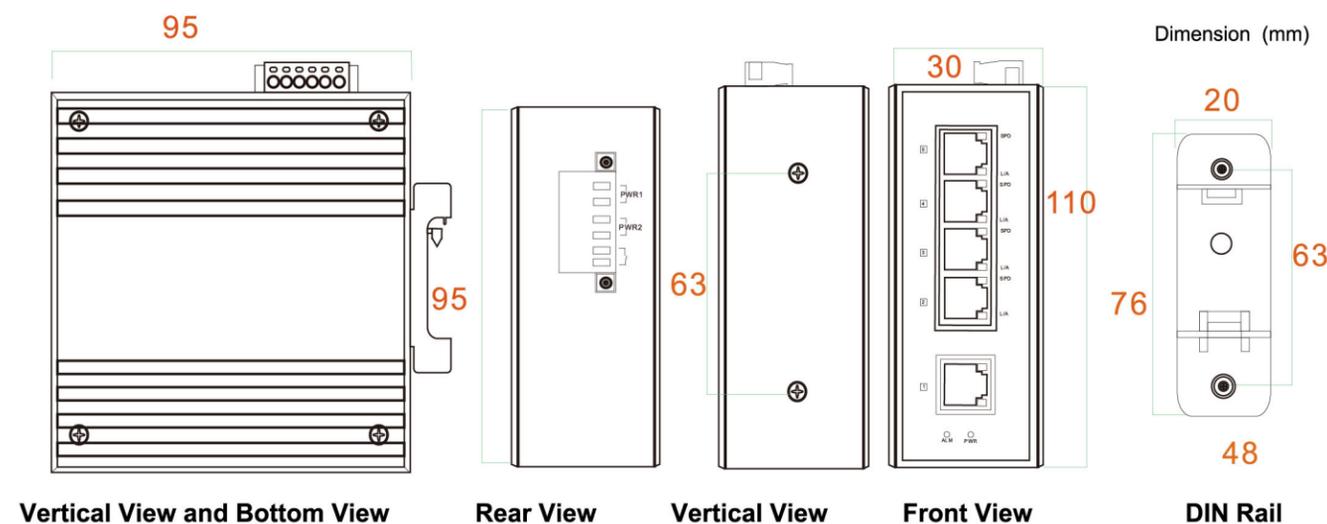
#### Physical Characteristics

Housing : Aluminum, IP40Protection  
Size: 110 x 95x 30mm  
Weight :350g  
Installation:din rail mounting

#### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

### Dimension



### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
RS205-5GT-AT	—	4(P.S.E.)+1	multi modeSC   Single mode SC

# RS205-1GF4GT-AT

**Industrial 5-port unmanaged Gigabyte PoE Ethernet switch**  
**With 4x10/100/1000Base-T(X) P.S.E.ports and 1x1000Base-X,SFP socket**



- 4x10/100/1000BaseT(X) PoE(P.S.E.)+1x10/100/1000BaseT(X)
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:10Gbps  
 Packet Buffer Size:2M  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

## Power requirement

Input Voltage : 2 redundant backup ,DC 46~75V

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS205-1GF4GT-AT is design for harsh industrial environment,with 4x 10/100/1000MBaseT(x) PoE(P.S.E.)and 1x1000Base-X

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment

## Characteristic

- 4x10/100/1000BaseT(X) (P.S.E.) 1x10/100/1000BaseT(X)
- -40 ~ 85 °C operating temperature ;
- Redundant dual power input ;
- IP40protection, fanless design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

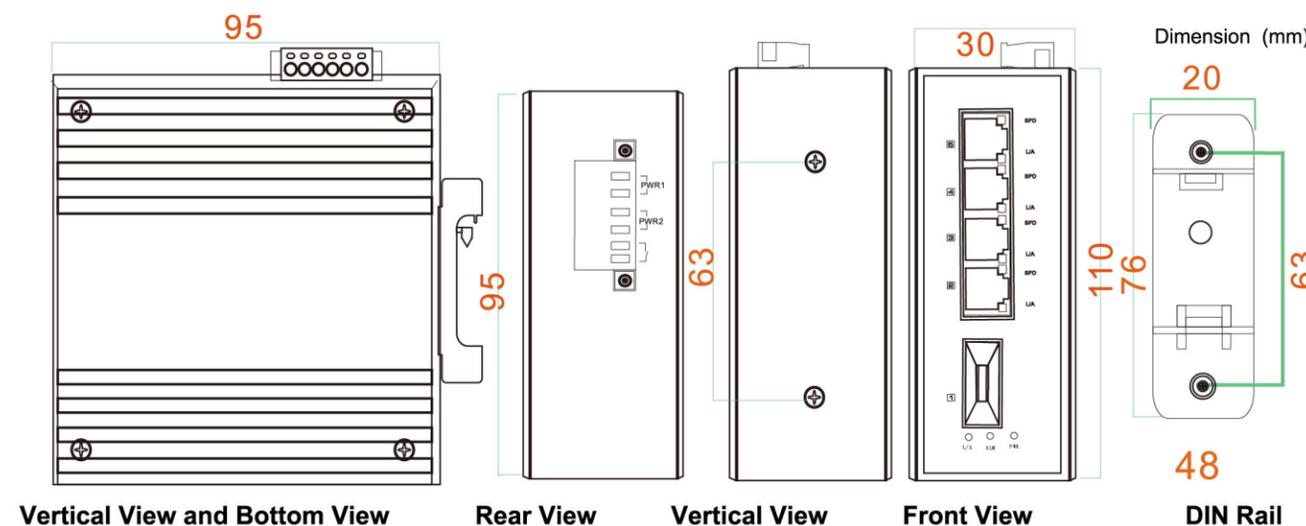
### Physical Characteristics

Housing : Aluminum ,IP40Protection  
 Size: 110 x 95x 30mm  
 Weight :350g  
 Installation:din rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS205-1GF4GT-AT	—	4(P.S.E.)+1	1

# RS206-2GF4GT-AT

**Industrial 5-port unmanaged Gigabyte PoEEthernet switch**  
**With 4x10/100/1000BaseT-(X) P.S.E.ports and 2x1000Base-X,SFP socket**



- 4x10/100/1000BaseT(X) PoE(P.S.E.)+2x10/100/1000BaseT(X)
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40℃ ~ 85℃ operating temperature range



### Switch Property

Switching bandwidth:10Gbps  
 Packet Buffer Size:2M  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

### Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

### Power requirement

Input Voltage : 2 redundant backup, DC 46~75V

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

### MTBF

500000h

### Warranty

5 years

### Introduction

RS206-2GF4GT-ATis design for harsh industrial environment,with 4x 10/100/1000MBaseT(x) PoE(P.S.E.)and 1x1000Base-X

The units with IP40 aluminum protection, din rail design, -40℃ ~ 85℃ operation temperature and fine EMC function, mainly used for harsh industrial environment

### Characteristic

- 4x10/100/1000BaseT(X) (P.S.E.) 2x10/100/1000BaseT(X)
- -40 ~ 85 °C operating temperature ;
- Redundant dual power input ;
- IP40protection, fanless design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

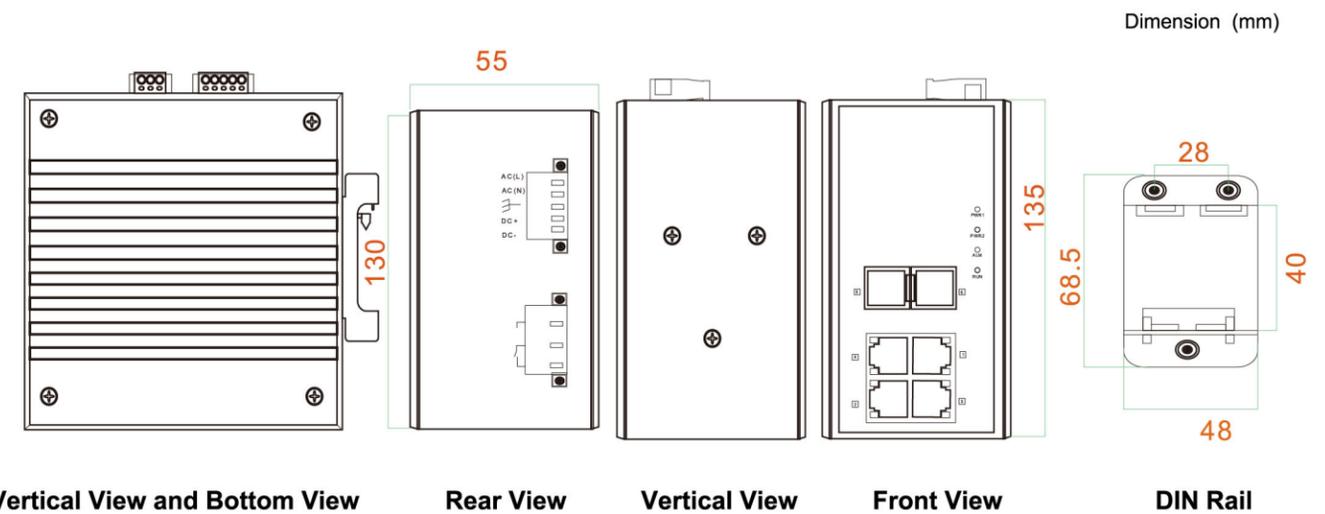
#### Physical Characteristics

Housing : Aluminum ,IP40Protection  
 Size: 110 x 95x 30mm  
 Weight :350g  
 Installation:din rail mounting

#### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

### Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS206-2GF4GT-AT	—	4(P.S.E.)+1	2

# RS208-8GT-AT

Industrial 5-port unmanaged GigabytePoEEthernet switch  
With 8x10/100/1000BaseT(X) P.S.E. ports



- 8x10/100/1000BaseT(X) PoE(P.S.E.)
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40℃ ~85℃ operating temperature range



### Switch Property

Switching bandwidth:10Gbps  
Packet Buffer Size:2M  
MAC table size:8K  
Jumbo Frames:9.6K Bytes

### Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
LEDLight:PWR,ALM, L/A,SPD,PoE

### Power requirement

Input Voltage : 2 redundant backup, DC 46~75V

### Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

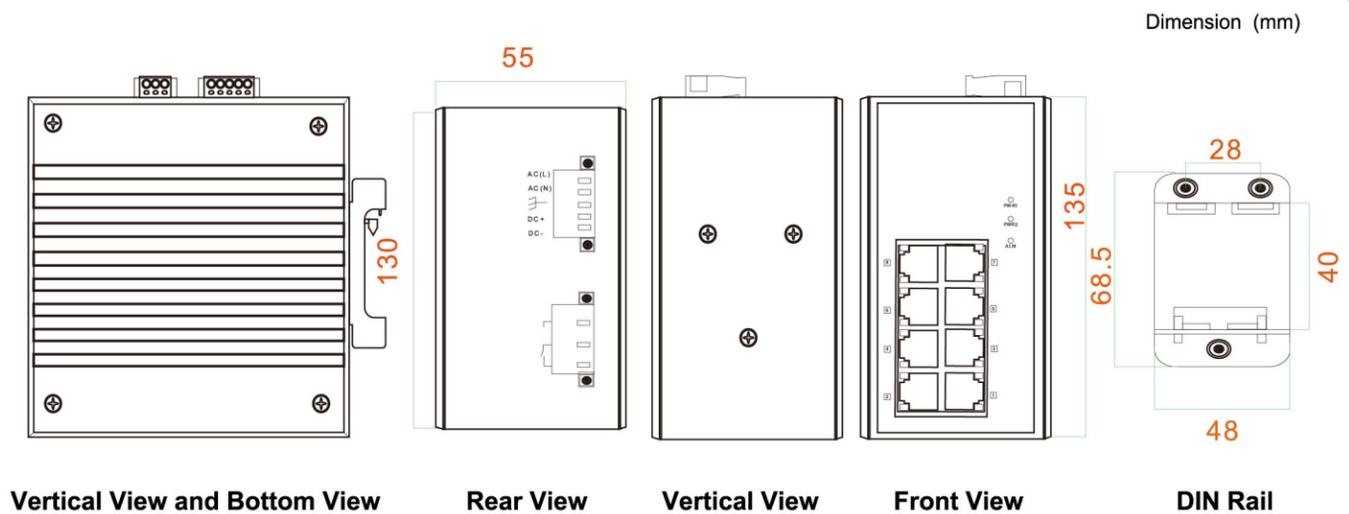
### MTBF

500000h

### Warranty

5 years

### Dimension



### Introduction

RS208-8GT-AT is design for harsh industrial environment,with 8x10/100/1000BaseT(X) PoE(P.S.E.). The units with IP40 aluminum protection, din rail design, -40℃ ~ 85℃ operation temperature and fine EMC function, mainly used for harsh industrial environment.

### Characteristic

- 8x10/100/1000BaseT(X)PoE(P.S.E.)
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40protection, fanless design

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

### Specification

#### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT ,  
IEEE 802.3z 1000BaseFX

#### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

#### Physical Characteristics

Housing : Aluminum, IP40Protection  
Size: 110 x 95x 30mm  
Weight :350g  
Installation:din rail mounting

#### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

### Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi modeSC   Single mode SC
RS208-8GT-AT	—	8	—

# RS6010-2GF8GT-AT

Industrial 10-port managed Gigabit PoE Ethernet switch with 8×10/100/1000BaseT(X) P.S.E. ports and 2×1000Base-X,SFP socket



- 2×1000BaseF(X)+8×10/100/1000BaseT(X) PoE(P.S.E.)
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Support PoE scheduled configuration and PoE auto-ping check function
- Command line(CLI) +WEB
- Support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Introduction

RS6010-2GF8GT-AT is a managed Industrial PoE Ethernet Switch with P.S.E. function. It has 2×1000BaseF(X)+8×10/100/1000BaseT(X) PoE (P.S.E.). The wide operating temperature range from -40~85 C can satisfy most of operating environment. Therefore, it is one of the most reliable choices for PoE Ethernet application. It support full range

managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP)and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT and IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN  
 IEEE 802.3af/802.3at POE

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS,SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qos line: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port:RS-232 (RJ45 slot)  
 Fiber port:100Mbps (SC/ST/FC)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,PoE,RUN

## Power requirement

Input Voltage:2 redundant backup,DC 46~75V

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

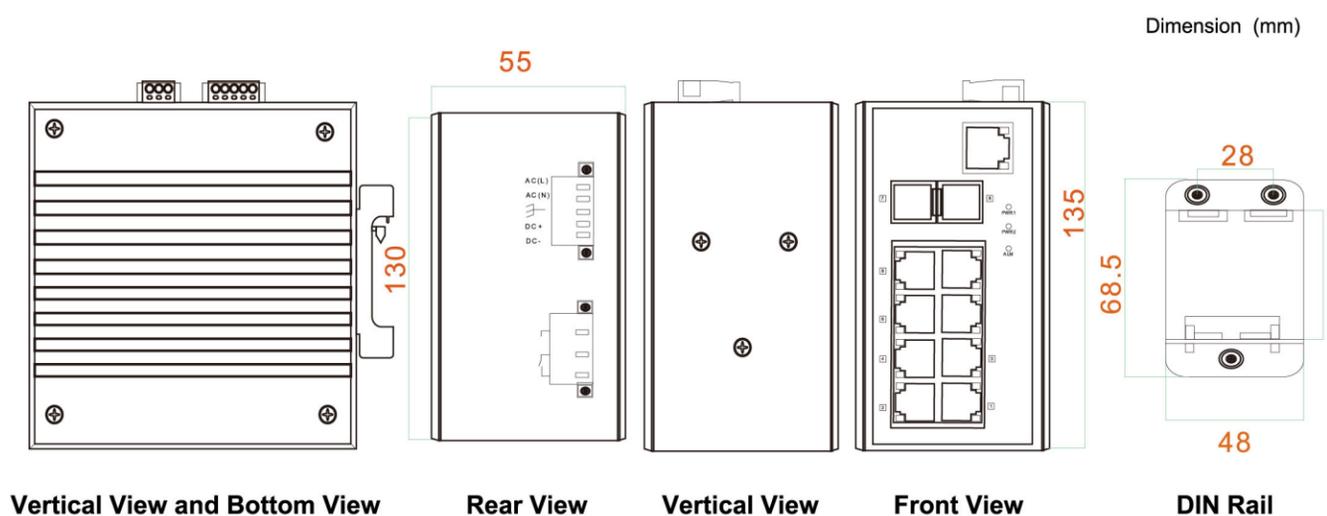
## MTBF

500000h

## Warranty

5 years

## Dimension



Vertical View and Bottom View    Rear View    Vertical View    Front View    DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS6010-2GF8GT-AT	—	8	2

# RS6016-8GF8GT-AT

Industrial 16-port managed Ethernet switch with 8x10/100/1000Base-T (X) and 8x1000Base-X, SFP socket



- 8x10/100/1000BaseT(X) and 8x1000BaseFX
- IP40 Aluminum housing protection and Din rail design
- Support DC and AC dual power input
- Working temperature:-40℃~85℃
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 32Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K

## Interface

Serial Port:RS-232 (RJ45 slot)  
 Fiber port:1000Mbps (SFP slot)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SY

## Power requirement

Input Voltage:2 redundant backup,  
 AC 100~240V DC 18~75V  
 Input Current: AC max 0.1A,DC max 0.5A  
 Consume: 5~6W

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6016-8GF8GT-AT is an industrial managed Ethernet switch with 8x10/100/1000Base-T(X) P.S.E. and 4x1000base-X SFP ports. The wide operating temperature range from -40~85 C can satisfy most of operating environment. Therefore, it is one of the most reliable choice for

highly-managed and Fiber Ethernet application. It support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT and IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group  
 1, 2, 3, 9

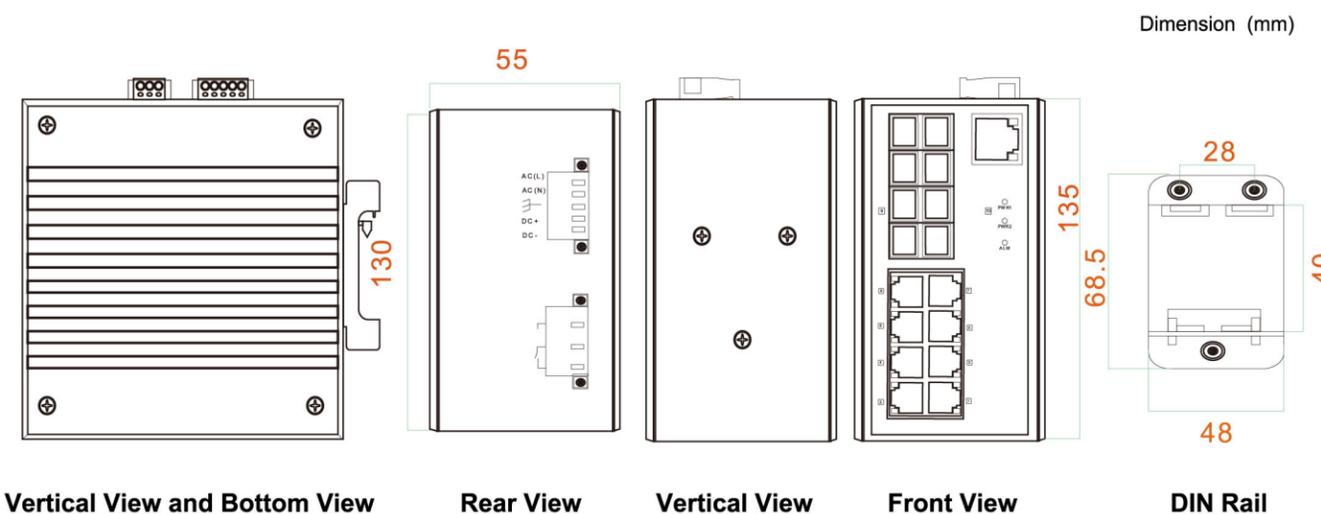
### Physical Characteristics

Housing:Aluminum,IP40Protection  
 Dimensions:135mm\*130mm\*55mm  
 Weight :850g  
 Installation :DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View    Rear View    Vertical View    Front View    DIN Rail

## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP(slot)
RS6016-8GF8GT-AT	—	8	8

# RS205-5T-AT

Industrial 5-port unmanaged PoE Ethernet switch with 5x10/100Base-T(X) P.S.E. ports



- 4x10/100Base-T(X) PoE(P.S.E.) + 1x100BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS205-5T-AT is design for harsh industrial environment, with 4 10/100MBase-T(x) PoE(P.S.E.) and 1 10/100MBase-T(x) The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 4X10/100BaseT(X) PoE(P.S.E.)and 1X100BaseFX;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design, shock resistance mental housing
- a.50/125um,800 MHz\*kmoptical fiber cable
- b. 62.5/125 um,500MHz\*km fiber cable
- c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT and  
 IEEE 802.3u 100BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

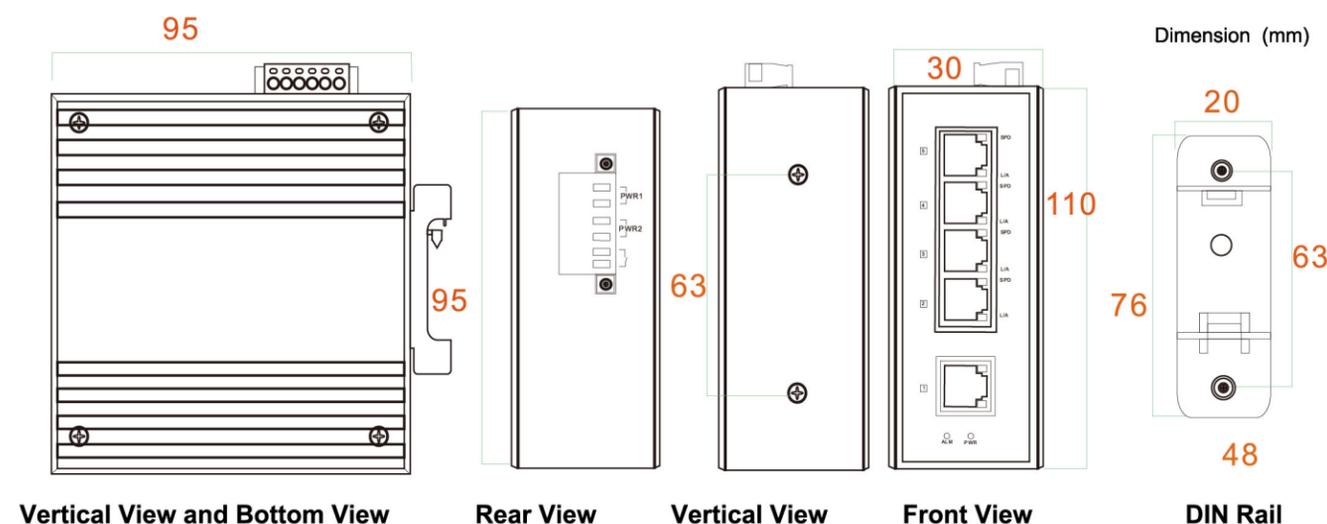
### Physical Characteristics

Housing : Aluminum ,IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 350g  
 Installation:din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi modeSC	Single mode SC
RS205-5T-AT	4(P.S.E.)+1	—	—	—

# RS205-1F4T-AT

Industrial 5-port unmanaged Ethernet switch with 4x10/100Base-T(X) P.S.E. ports and 1x100Base-FX



- 4x10/100Base-T(X) PoE(P.S.E.) + 1x100BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS205-1F4T-AT is design for harsh industrial environment, with 4 10/100MBaseT(x) PoE(P.S.E.) and 1100BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly use for harsh industrial environment with stable function.

## Characteristic

- 4X10/100BaseT(X) PoE(P.S.E.)and 1X100BaseFX;
  - -40 ~ 85 °C operating temperature;
  - Redundant dual power input;
  - IP40 protection, fanless design, shock resistance mental housing
- a.50/125um,800 MHz\*kmoptical fiber cable  
 b. 62.5/125 um,500MHz\*km fiber cable  
 c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT and  
 IEEE 802.3u 100BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

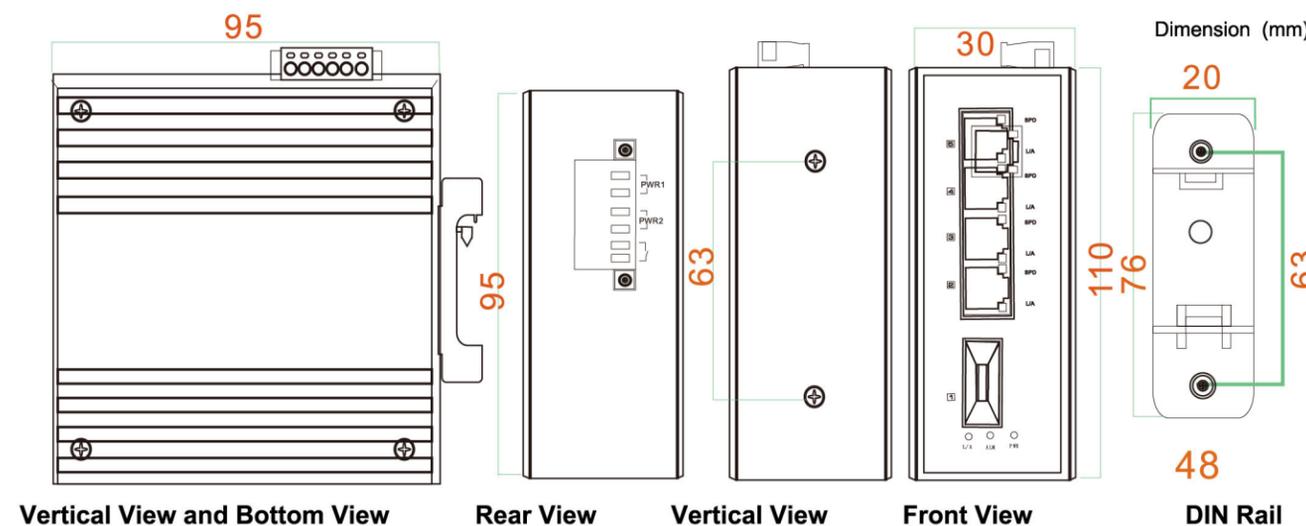
### Physical Characteristics

Housing : Aluminum ,IP40Protection  
 Size: 110 x 95x 30mm  
 Weight : 350g  
 Installation:din rail mounting

### Environment

Operating temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Storage temperature:-40 ~ 85°C(-40 ~ 185°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi modeSC	Single mode SC
RS205-1F4T-AT	4(P.S.E.)	—	—	1

# RS606-2F4T-AT

Industrial 6-Port managed POE Ethernet Switch with 4x10/100Base-T(X) P.S.E. and 2x100Base-F(X) ports



- 2x100BaseF(X)+4x10/100BaseT(X) PoE(P.S.E.)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Support PoE scheduled configuration and PoE auto-ping check function
- Command line(CLI) +WEB
- Support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 1.2Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Port

Fiber Ports:100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex,MDI/MDI-X  
 LED Light: PWR,ALM, L/A,SPD

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS606-2F4T-AT is a managed Industrial PoE Ethernet Switch with P.S.E. function. It has 2x100BaseF(X)+4x10/100BaseT(X) PoE(P.S.E.). The wide operating temperature range from -40~85 C can satisfy most of operating environment. Therefore, it is one of the most reliable choice for

PoE Ethernet application. It support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
- support static multicast, IGMP Snooping;
- support SSH remote security management setting
- QoS (IEEE 802.1p and DSCP)and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;
- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturation	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseFX and 100BaseT  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN  
 IEEE 802.3af/802.3at POE

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

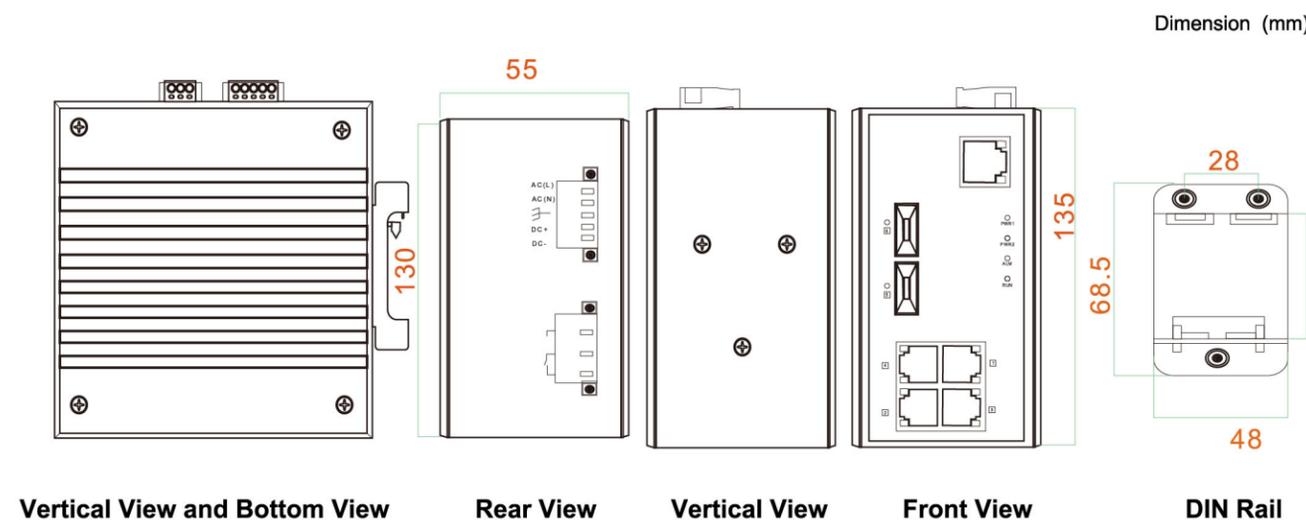
### Physical Characteristics

Housing: Aluminum, IP40 Protection  
 Dimensions: 135mm\*130mm\*55mm  
 Weight : 850g  
 Installation : DIN-rail mounting

### Environment

Operating temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Storage temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Ambient relative humidity: 5 ~ 95% (non-condensing)

## Dimension



Vertical View and Bottom View

Rear View

Vertical View

Front View

DIN Rail

## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			Multi-mode	Single mode
RS606-2F4T-AT	4	—	2	

# RS208-8T-AT

**Industrial 8-port Unmanaged PoE Ethernet switch  
With 8x10/100BaseT-(X) P.S.E. ports**



- 8x10/100Base-T(X) POE(P.S.E.)
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Introduction

RS208-8T-AT is design for harsh industrial environment, with 8 10/100BaseT(x) P.S.E. ports. The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment. Therefore, it

is one of the most reliable choice for PoE Ethernet application. It support full range managed switch function, including IGMP snooping- IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- 1x10/100BaseT(X) and 1x1000BaseFX;
  - -40 ~ 85 °C operating temperature;
  - Redundant dual power input;
  - IP40 protection, fanless design, shock resistance mental housing
- a. 50/125um, 800 MHz\*km optical fiber cable  
 b. 62.5/125 um, 500MHz\*km fiber cable  
 c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing : Aluminum, IP40 Protection  
 Size: 110 x 95x 30mm  
 Weight : 320g  
 Installation: Din rail mounting

### Environment

Operating temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Storage temperature: -40 ~ 85°C (-40 ~ 185°F)  
 Ambient relative humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 1.6Gbps  
 Packet Buffer Size: 512Kb  
 MAC table size: 5K  
 Jumbo Frames: 2K Bytes

## Port

Fiber Ports: 100Mbps (SC)  
 RJ45 Port: 10/100Mbps, Full/Halfduplex, MDI/MDI-X  
 LED Light: PWR, ALM, L/A, SPD

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Free fall: IEC60068-2-32

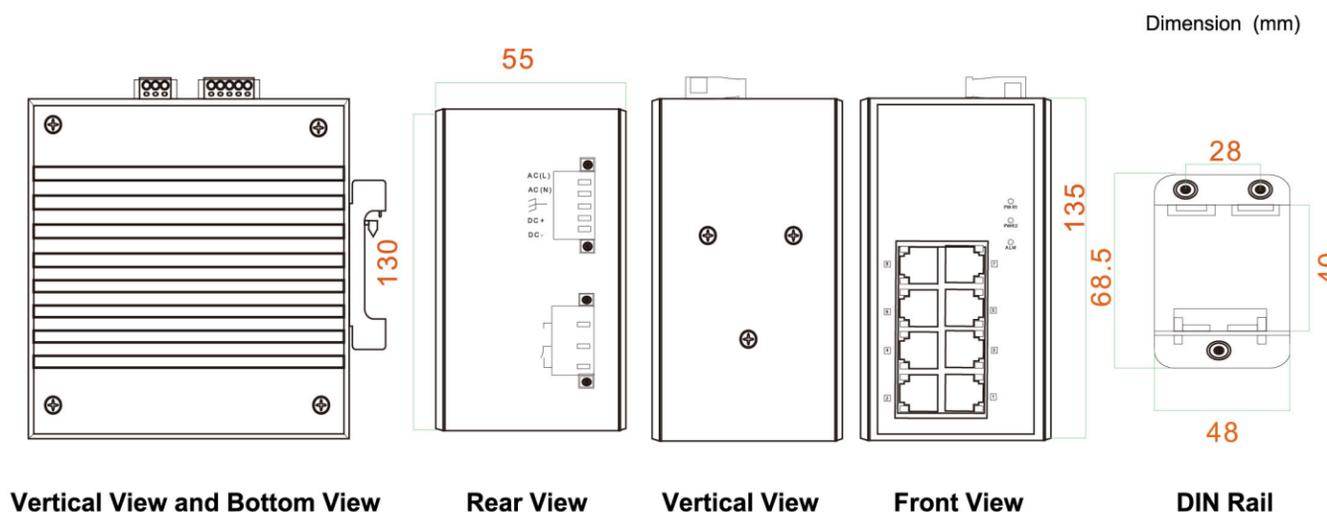
## MTBF

500000h

## Warranty

5 years

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode SC	Single mode SC
RS208-8T-AT	8(P.S.E.)	—	—	—

# RS2010-2GF2GT8T-AT

Industrial 10-port unmanaged PoE Ethernet switch with 8x10/100Base-T(X) P.S.E. ports and 2xGigabit combo ports,SFP socket



- 8x10/100BaseT(X) PoE(P.S.E.) and 2xGigabit combo ports,SFP socket
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40℃ ~ 85℃ operating temperature range



## Switch Property

Switching bandwidth:5.6Gbps  
 Packet Buffer Size:3M  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

## Power requirement

Input Voltage : 2 redundant backup, DC 46~75V

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS2010-2GF2GT8T-AT is design for harsh industrial environment,with 8 10/100BaseT(x) P.S.E. and 2xGigabit combo ports. The units with IP40 aluminum protection, din rail design, -40℃~ 85℃ operation temperature and fine EMC function, mainly used for harsh industrial environment. Therefore, it is one of the most reliable choice for PoE

Ethernet application. It support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- 8x10/100BaseT(X) PoE(P.S.E.) and 2Gigabit combo ports
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40protection, fanless design

- a. 50/125um,800 MHz\*kmoptical fiber cable
- b. 62.5/125 um,500MHz\*km fiber cable
- c. 9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP,HTTPS, SSH,Telnet, Syslog,LLDP,LACP,DHCP Client,EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB,IF MIB,RMON MIB Group 1, 2, 3, 9

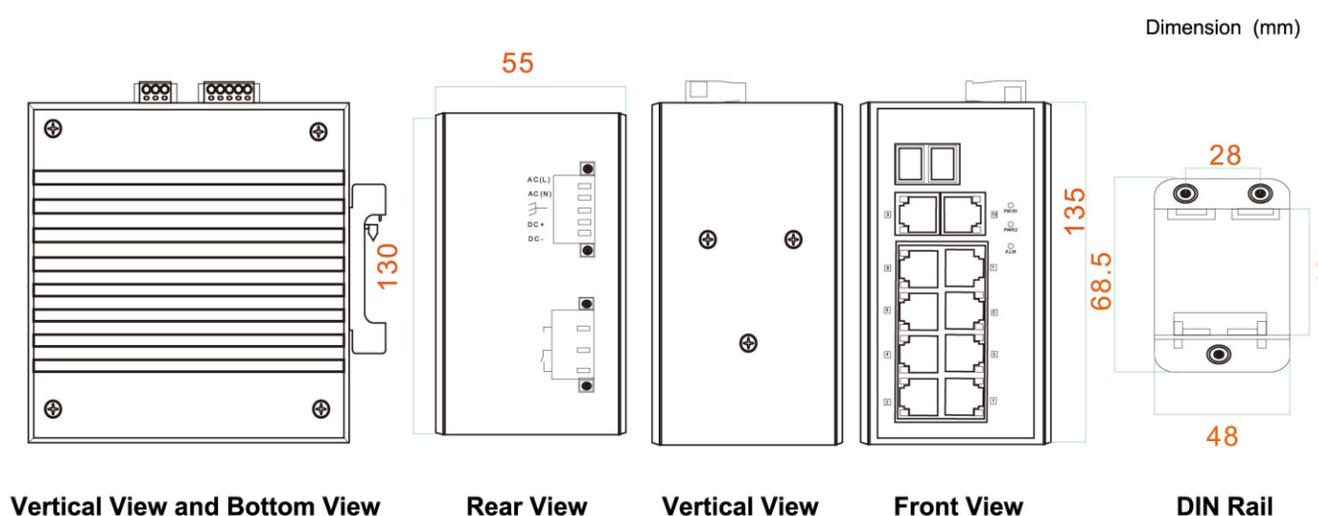
### Physical Characteristics

Housing : Aluminum ,IP40Protection  
 Size: 135mm\*130mm\*55mm  
 Weight : 850g  
 Installation:din rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (- 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (- 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			SFP(slot)	Single mode SC
RS2010-2GF2GT8GT-AT	8(P.S.E.)	2	2	—

# RS6010-2GF2GT8T-AT

Industrial 10-port managed PoE Ethernet switch with 8x10/100Base-T (X) P.S.E. and 2xGigabit combo ports,SFP socket



- 8x10/100BaseT(X)PoE(P.S.E.)and 2xGigabit combo ports,SFP socket
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Support PoE scheduled configuration and PoE auto-ping check function
- Command line(CLI) +WEB
- support WT-Ring(recovery time <50 ms) and STP/RSTP/MSTP
- SNMP V1/V2c/V3, support WT2000 web management



## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID:64  
 Switching bandwidth: 5.6Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Serial Port:RS-232 (RJ45 slot)  
 Fiber port:1000Mbps (SFP slot)  
 RJ45 port:10/100Mbps auto negotiation speed, and auto MDI/MDI-X connection  
 LED Indicator:PWR1,PWR2,ALM,Link/Act,SPD,SYS

## Power requirement

Input Voltage : 2 redundant backup ,DC 46~75V

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS6010-2GF2GT8T-AT is an industrial managed Ethernet switch with 8x10/100Base-T(X)P.S.E. and 2xGigabit combo ports. The wide operating temperature range from -40~85 °C can satisfy most of operating environment. Therefore, it is one of the most reliable choice for

PoE Ethernet application. It support full range managed switch function, including IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, WT- Ring and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support 4K 802.1Q VLAN, can set max 64 VLAN;
  - support static multicast, IGMP Snooping;
  - support SSH remote security management setting
  - QoS (IEEE 802.1p and DSCP)and opposite priority
  - RMON improve the network monitor and predicative ability
  - Port mirroring and trunking;
- a. 50/125um, 800 MHz\*km optical fiber cable  
 b. 62.5/125 um, 500MHz\*km fiber cable  
 c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT IEEE 802.3u 100BaseT  
 IEEE 802.3z 1000BaseT and IEEE 802.3u 100BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1s RSTP  
 IEEE 802.1p Cos  
 IEEE 802.1q VLAN

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNMP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

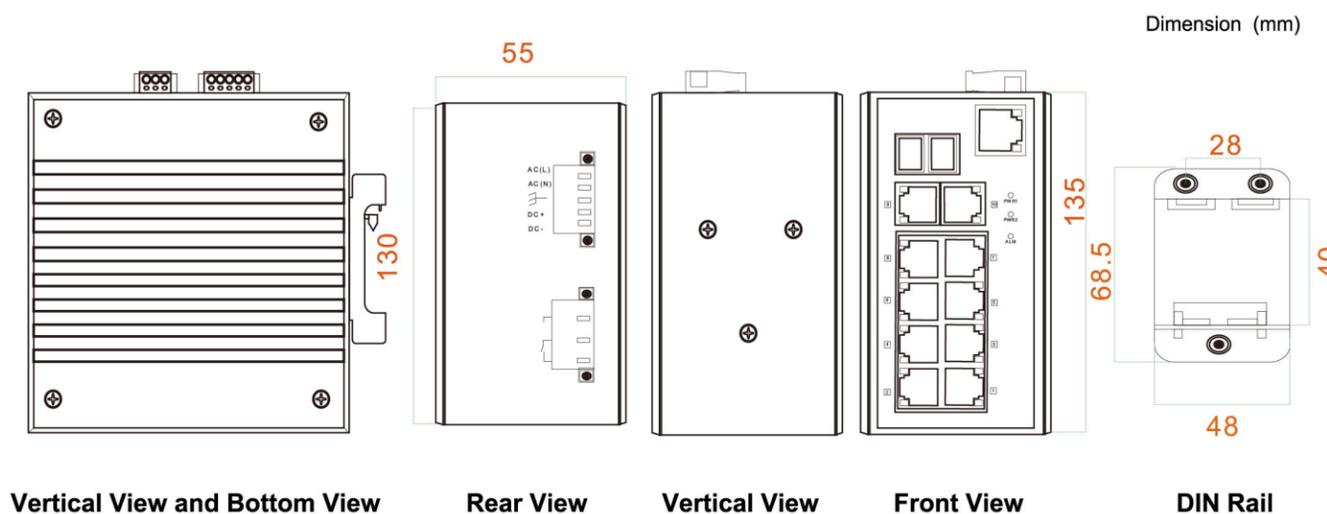
### Physical Characteristics

Housing: Aluminum, IP40 Protection  
 Dimensions: 135mm\*130mm\*55mm  
 Weight : 850g  
 Installation : DIN-rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
RS6010-2GF2GT8T-AT	8(P.S.E.)	2	SFP(slot) 2	Single mode SC

# RS202-1F1T-AT

Industrial PoE Ethernet to fiber media converter with 1x10/100Base-T(X) P.S.E. to 1x100Base-FX



- 1x10/100BaseT(X) 1x100BaseFX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40°C ~ 85°C operating temperature range



## Switch Property

Switching bandwidth:400Mbps  
 Packet Buffer Size:512Kb  
 MAC table size:4K  
 Jumbo Frames:2K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Warranty

5 years

## Introduction

RS202-1F1T-AT is design for harsh industrial environment, with 1 10/100BaseT(x) P.S.E. and 1100BaseFX

The units with IP40 aluminum protection, din rail design, -40°C ~ 85°C operation temperature and fine EMC function, mainly used for harsh industrial environment

## Characteristic

- 1 X10/100BaseT(X) and 1 X100BaseFX;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT and  
 IEEE 802.3u 100BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
 MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

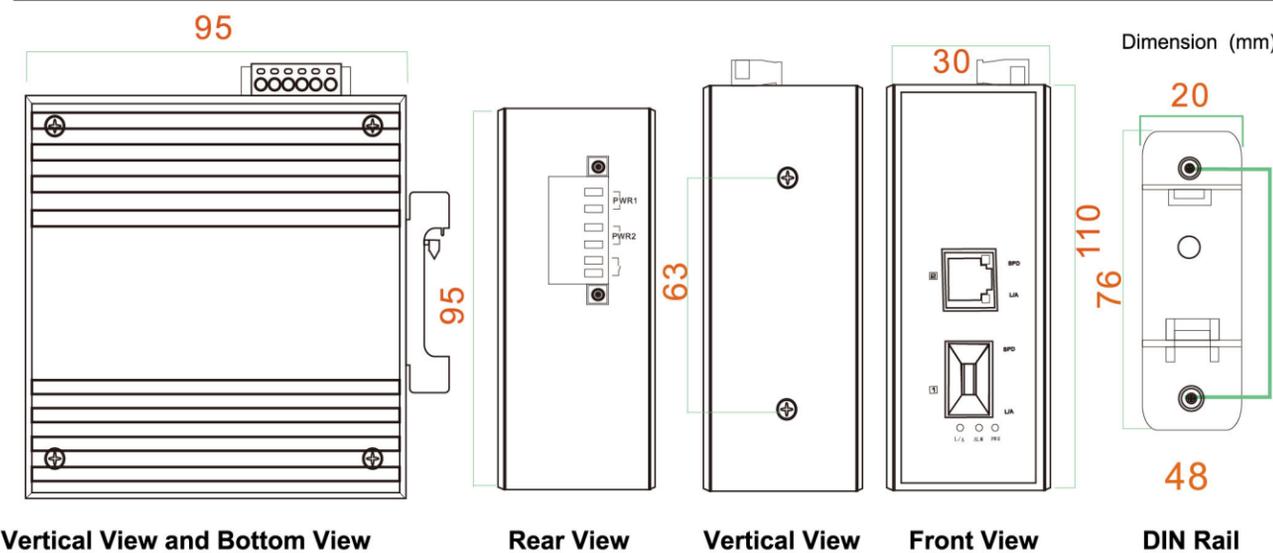
### Physical Characteristics

Housing : Aluminum, IP40 Protection  
 Size: 110 x 95x 30mm  
 Weight : 320g  
 Installation: din rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
RS202-1F1T-AT	1(P.S.E.)	—	—	1

# RS202-1GF1GT-AT

Industrial Gigabit PoE Ethernet to fiber media converter with 1×10/100/1000Base-T(X) P.S.E. to 1×1000Base-X,SFP socket



- 1×10/100/1000BaseT(X) PoE(P.S.E.) 1×1000BaseFX
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design
- -40℃ ~ 85℃ operating temperature range



## Introduction

RS202-1GF1GT-AT is design for harsh industrial environment, with 1 10/100/1000MBaseT(x) P.S.E. and 1 1000BaseFX

The units with IP40 aluminum protection, din rail design, -40℃ ~ 85℃ operation temperature and fine EMC function, mainly used for harsh industrial environment

## Characteristic

- 1×10/100/1000BaseT(X) PoE(P.S.E.) 1×1000BaseFX;
- -40 ~ 85 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	1000BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT,  
IEEE 802.3z 1000BaseFX

### Agreement

IGMP Snooping, SNMPv1/v2c/v3, TFTP, SNTP, RMON, HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, DHCP Client, EtherNet/IP, Modbus/TCP  
MIB: MIB-II, BRIDGE MIB, MIB, IF MIB, RMON MIB Group 1, 2, 3, 9

### Physical Characteristics

Housing : Aluminum, IP40 Protection  
Size: 110 x 95x 30mm  
Weight : 320g  
Installation: din rail mounting

### Environment

Operating Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Storage Temperature: -40 ~ 85 °C ( - 40 ~ 185 °F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 4Gbps  
Packet Buffer Size: 2Mb  
MAC table size: 4K  
Jumbo Frames: 9.6K Bytes

## Port

RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
LED Light: PWR, ALM, L/A, SPD, PoE

## Power requirement

Input Voltage : 46~75V DC, Redundant dual inputs

## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Freefall: IEC60068-2-32

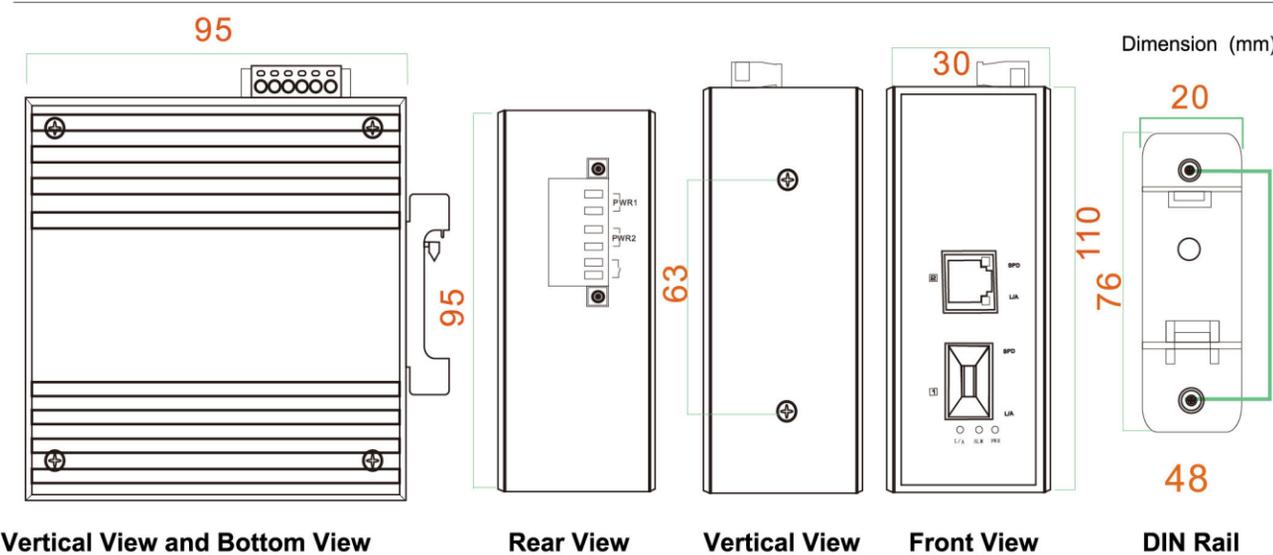
## MTBF

500000h

## Warranty

5 years

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX SFP slot
RS202-1GF1GT-AT	—	1(P.S.E.)	1

# DS106-1GF5GT-AF/AT

**6-port Unmanaged PoE Gigabyte Ethernet switch**  
**With 4×10/100/1000Base-T(X) P.S.E. ports and 1×10/100/1000Base-T(X) and 1×1000Base-FX**



- 5×10/100/1000Base-T(X) 1×1000Base-FX
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~ 60°C



## Introduction

DS106-1GF5GT-AF/AT is designed for bad and extreme outdoor environment, with 5 10/100/1000MBaseT(x) and 1 1000BaseFX It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 5×10/100/1000Base-T(X)1×1000Base-FX ;
  - Working temperature: -20°C ~ 60°C ;
  - No fan, Metal shell, Internal power, 100~240V AC;
  - EMC-4 compliant
- a. 50/125um, 800 MHz\*km optical fiber cable  
 b. 62.5/125 um, 500MHz\*km fiber cable  
 c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size :185mm\*140mm\*42mm  
 Weight :750g  
 Installation:Desk / Wall mounting

### Environment

Operating temperature:-20 ~ 60°C (-4 ~ 140°F)  
 Storage temperature:-20 ~ 60°C (-4 ~ 140°F)  
 Ambient relative humidity:5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:12Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LED Light:PWR, Link/ACT,SPD,POE

## Warranty

3 years

## Standards and certification

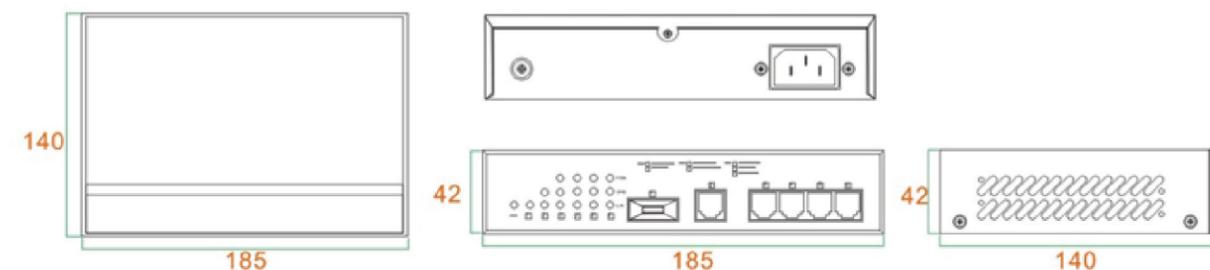
EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension

Dimension (mm)



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				Multi mode SC	Single mode SC
DS106-1GF5GT-AF	65	—	4(P.S.E.)+1	—	1
DS106-1GF5GT-AT	120	—	4(P.S.E.)+1	—	1

# DS106-2GF4GT-AF/AT

**6-port Unmanaged PoEGigabyte Ethernet switch**  
**With 4×10/100/1000Base-T(X) P.S.E. ports 2×1000Base-FX**



- 4×10/100/1000Base-T(X) 2×1000Base-FX
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

DS106-2GF4GT-AF/AT is designed for bad and extreme outdoor environment, with 4 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 4×10/100/1000Base-T(X) 2×1000Base-FX;
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 290mm\*165mm\*45mm  
 Weight :1250g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:12Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR, Link/ACT,SPD,POE

## Warranty

3 years

## Standards and certification

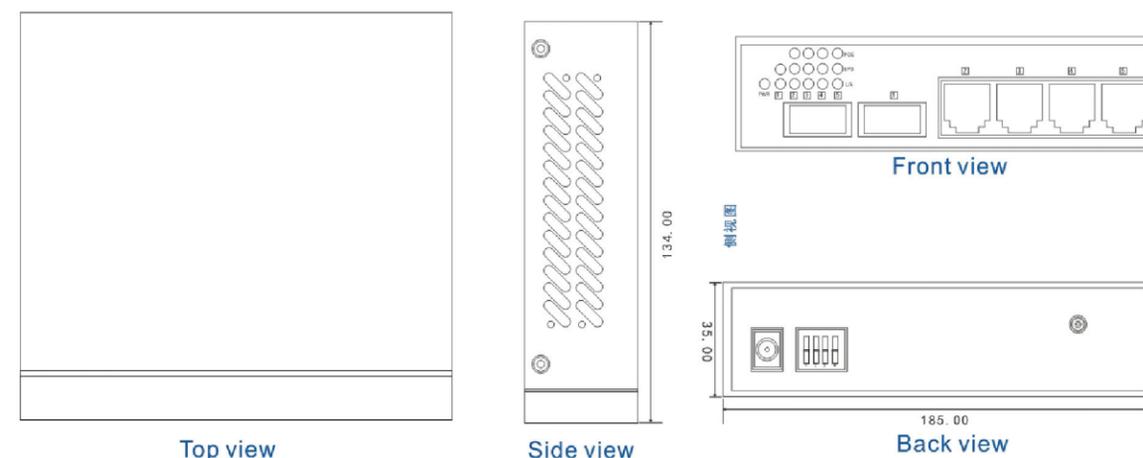
EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension

Dimension (mm)



## Order information

Model	Max. Watt	Interface		
		10/100BaseT	10/100/1000BaseT	1000BaseFX
DS106-2GF4GT-AF	65	—	4(P.S.E.)+1	2
DS106-2GF4GT-AT	120	—	4(P.S.E.)+1	2

# DS1010-2GF8GT-AF/AT

**10-port Unmanaged PoE Gigabyte Ethernet switch**  
**With 8×10/100/1000Base-T(X) P.S.E. ports 2×1000Base-FX**



- 8×10/100/1000Base-T(X) 2×1000Base-FX
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

DS2010-2GF8GT-AF/AT is designed for bad and extreme outdoor environment, with 8 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 8×10/100/1000Base-T(X) 2×1000Base-FX ;
  - Working temperature: -20℃ ~ 60℃ ;
  - No fan, Metal shell, Internal power, 100~240V AC ;
  - EMC-4 compliant
- a. 50/125um, 800 MHz\*km optical fiber cable  
 b. 62.5/125 um, 500MHz\*km fiber cable  
 c. 9/125um single mode fiber cable

	1000BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 290mm\*165mm\*45mm  
 Weight :1250g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:12Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LED Light:PWR, Link/ACT,SPD,POE

## Warranty

3 years

## Standards and certification

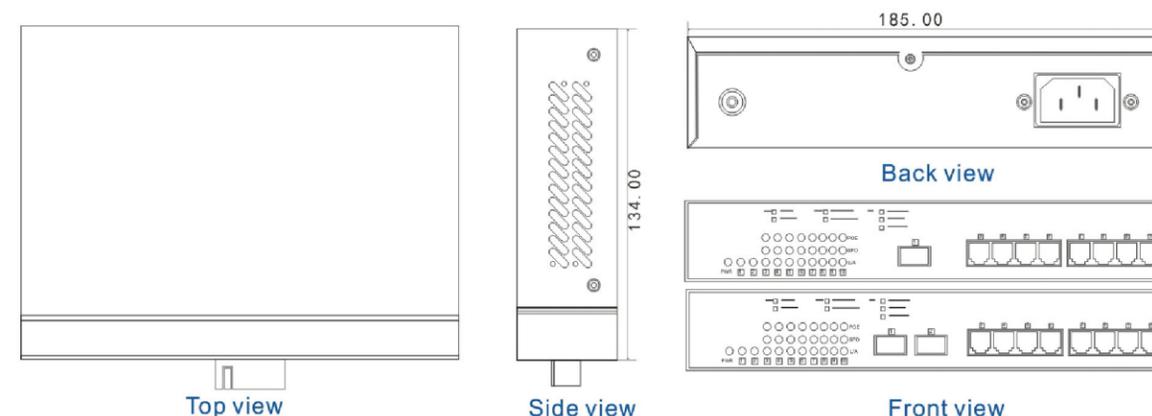
EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension

Dimension (mm)



## Order information

Model	Max. Watt	Interface		
		10/100BaseT	10/100/1000BaseT	1000BaseFX Multi mode SC   Single mode SC
DS2010-2GF8GT-AF	150	—	8(P.S.E.)+1	2(SFP slot)
DS2010-2GF8GT-AT	300	—	8(P.S.E.)+1	2(SFP slot)

# DS1016-4GF12GT-AF/AT

**16-port Unmanaged PoE Gigabyte Ethernet switch**  
**With 12×10/100/1000Base-T(X) P.S.E. ports 4×1000Base-FX, SFP socket**



- 12×10/100/1000Base-T(X)4×1000Base-FX
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

DS1016-4GF12GT-AF/AT is designed for bad and extreme outdoor environment, with 12 10/100/1000MBaseT(x) and 4 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 12×10/100/1000Base-T(X)4×1000Base-FX;
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 320mm\*205mm\*44mm  
 Weight :2000g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:12Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LED Light:PWR, Link/ACT,SPD,POE

## Warranty

3 years

## Standards and certification

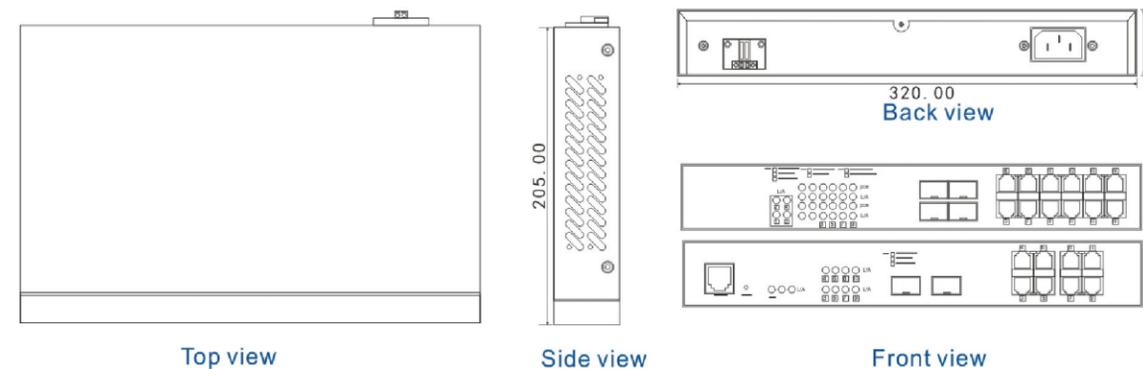
EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension

Dimension (mm)



## Order information

Model	Max. Watt	Interface		
		10/100BaseT	10/100/1000BaseT	1000BaseFX Multi mode SC   Single mode SC
DS1016-4GF12GT-AF	150	—	12(P.S.E.)+1	4(SFP slot)
DS1016-4GF12GT-AT	300	—	4(P.S.E.)+1	4(SFP slot)

# CS1018-2GF16GT-AF/AT

**18-port Unmanaged PoE Gigabyte Ethernet switch**  
**With 16×10/100/1000Base-T(X) P.S.E. ports 2×1000Base-X, SFP socket**



- 16×10/100/1000Base-T(X) 2×1000Base-X
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

CS1018-2GF16GT-AF/AT is designed for bad and extreme outdoor environment, with 16 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 16×10/100/1000Base-T(X) 2×1000Base-X ;
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	1000BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30Protection  
 Size: 440mm\*310mm\*44mm  
 Weight :3300g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:36Gbps  
 Packet Buffer Size:4Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR, Link/ACT,SPD,POE

## Warranty

3 years

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

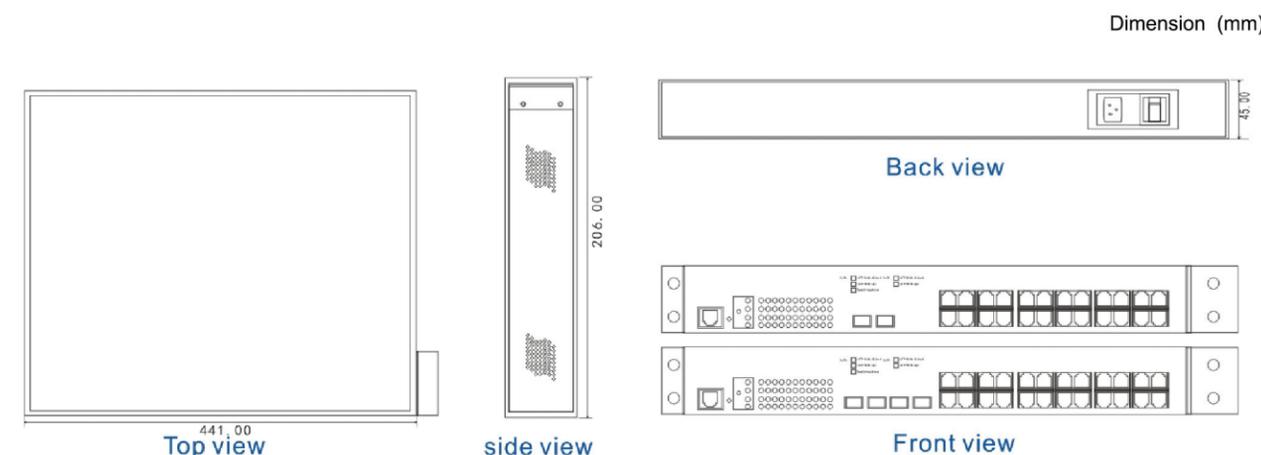
## MTBF

500000h

## Warranty

3 years

## Dimension



## Order information

Model	Max. Watt	Interface		
		10/100BaseT	10/100/1000BaseT	1000BaseFX Multi mode SC   Single mode SC
CS1018-2GF16GT-AF	150	—	16(P.S.E.)+1	2(SFP slot)
CS1018-2GF16GT-AT	300	—	16(P.S.E.)+1	2(SFP slot)

# CS1026-2GF24GT-AF/AT

**26-port Unmanaged PoEGigabyte Ethernet switch**  
**With 24×10/100/1000Base-T(X) P.S.E. ports 2×1000Base-X, SFP socket**



- 24×10/100/1000Base-T(X) 2×1000Base-X
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

CS1026-2GF24GT-AF/AT is designed for bad and extreme outdoor environment, with 24 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 24×10/100/1000Base-T(X) 2×1000Base-X ;
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC ;
- EMC-4 compliant

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 440mm\*310mm\*44mm  
 Weight :3300g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:36Gbps  
 Packet Buffer Size:4Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR, Link/ACT,SPD,POE

## Warranty

3 years

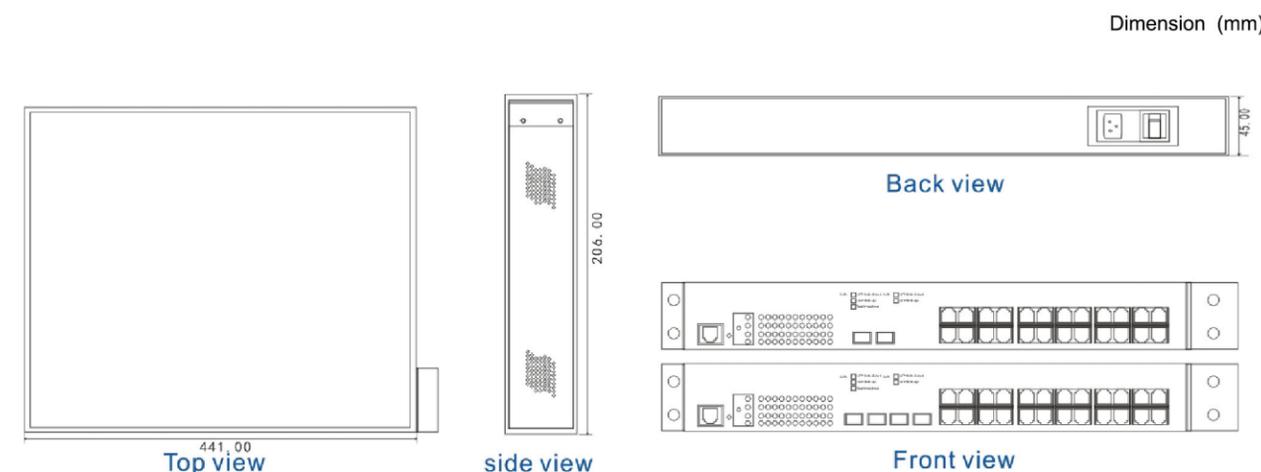
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4class, IEC 61000-4-3 (RS) 3class, IEC 61000-4-4 (EFT) 4class, IEC 61000-4-5 (Surge) 4class, IEC 61000-4-6 (CS) 3class  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Free fall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Max. Watt	Interface		
		10/100BaseT	10/100/1000BaseT	1000BaseFX Multi mode SC   Single mode SC
CS1026-2GF24GT-AF	300	—	24(P.S.E.)+1	2(SFP slot)
CS1026-2GF24GT-AT	600	—	24(P.S.E.)+1	2(SFP slot)

# DS205-1GT4T-AF/AT

**5-port Unmanaged PoE Fast Ethernet switch**  
**With 4x10/100Base-T(X) P.S.E. ports 1x100/1000Base-T(X)**



- 4x10/100Base-T(X)1x1000Base-TX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design



## Introduction

DS205-1GT4T-AF/AT is designed for bad and extreme outdoor environment, with 4x10/100Base-T(x) and 1x1000Base TX. It features 6KV lightning protection, -20°C ~ 60°C operating temperature. It is one of the best choices for the video surveillance application.

## Characteristic

- 4x10/100Base-T(X)1x1000Base-TX ;
- -20 ~ 60 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT and  
 IEEE 802.3u 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 185mm\*140mm\*42mm  
 Weight :700g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LED Light:PWR,ALM, L/A,SPD,PoE

## Warranty

3 years

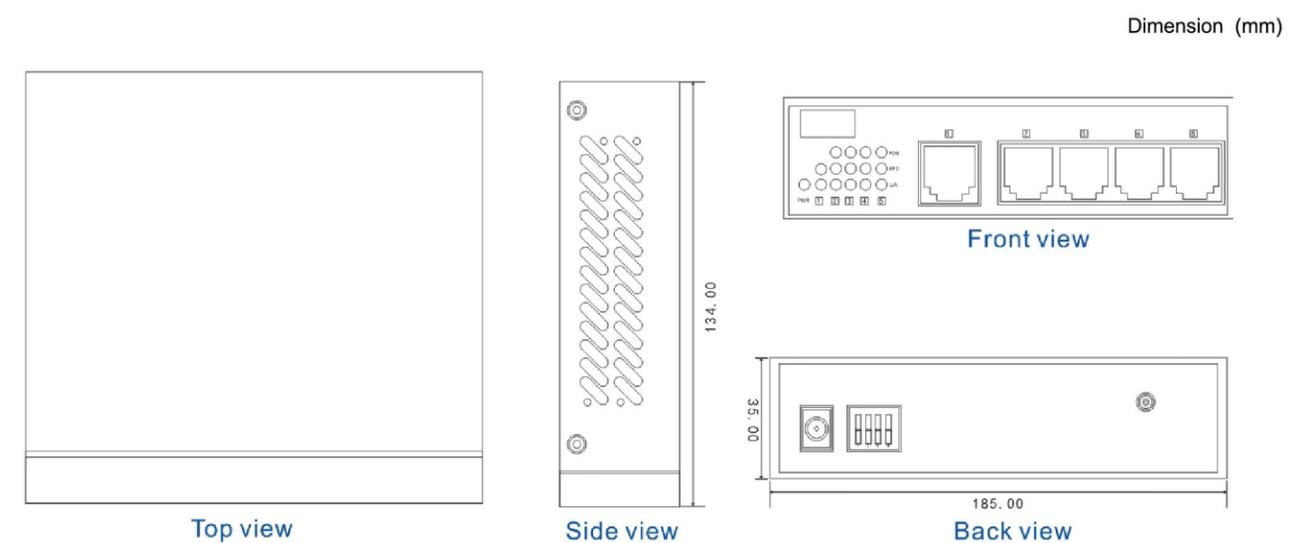
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS205-1GT4T-AF	65	4(P.S.E.)	1	---	---
DS205-1GT4T-AT	125	4(P.S.E.)	1	---	---

# DS105-1F4T-AF/AT

5-port Unmanaged PoE Fast Ethernet switch  
With 4x10/100Base-T(X) P.S.E. ports 1x100Base-FX



- 4x10/100Base-T(X)1x100Base-FX
- Supports auto-negotiation and auto- MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design



## Introduction

DS105-1F4T-AF/AT is designed for bad and extreme outdoor environment, with 4 10/100BaseT(x) and 1 100BaseFX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 4x10/100Base-T(X)1x100Base-FX ;
  - -20 ~ 60 °C operating temperature;
  - Redundant dual power input;
  - IP40 protection, fanless design
- a. 50/125um, 800 MHz\*km optical fiber cable  
b. 62.5/125 um, 500MHz\*km fiber cable  
c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseT and  
IEEE 802.3u 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
Size: 185mm\*140mm\*42mm  
Weight :700g  
Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:1Gbps  
Packet Buffer Size:1Mb  
MAC table size:8K  
Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
LED Light: PWR, ALM, L/A, SPD, PoE

## Warranty

3 years

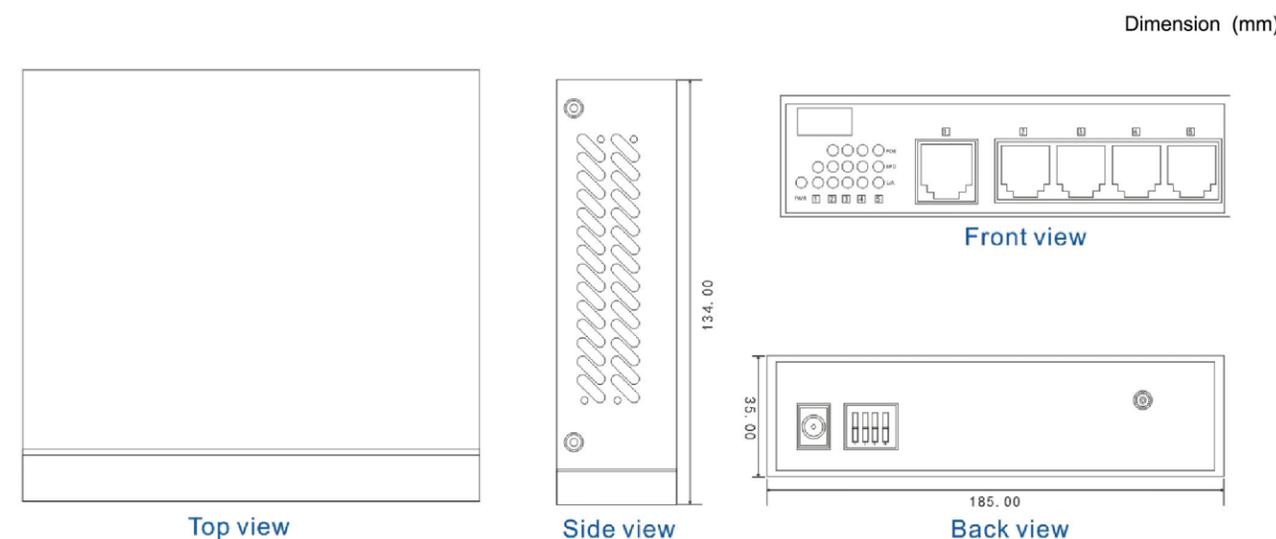
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS105-1F4T-AF	65	4(P.S.E.)	—	—	1
DS105-1F4T-AT	125	4(P.S.E.)	—	—	1

# DS105-1GF4T-AF/AT

**5-port Unmanaged PoE Gigabyte Ethernet switch**  
**With 4x10/100/1000Base-T(X) P.S.E. ports 1x1000Base-FX**



- 4x10/100/1000Base-T(X) 1x1000Base-FX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design



## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

## Warranty

3 years

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Introduction

DS105-1GF4T-AF/AT is designed for bad and extreme outdoor environment, with 4 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lightning protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 4x10/100Base-T(X)1x100Base-FX ;
  - -20 ~ 60 °C operating temperature ;
  - Redundant dual power input ;
  - IP40 protection , fanless design
- a.50/125um,800 MHz\*kmopticalfiber cable  
 b. 62.5/125 um,500MHz\*km fiber cable  
 c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT and  
 IEEE 802.3u 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

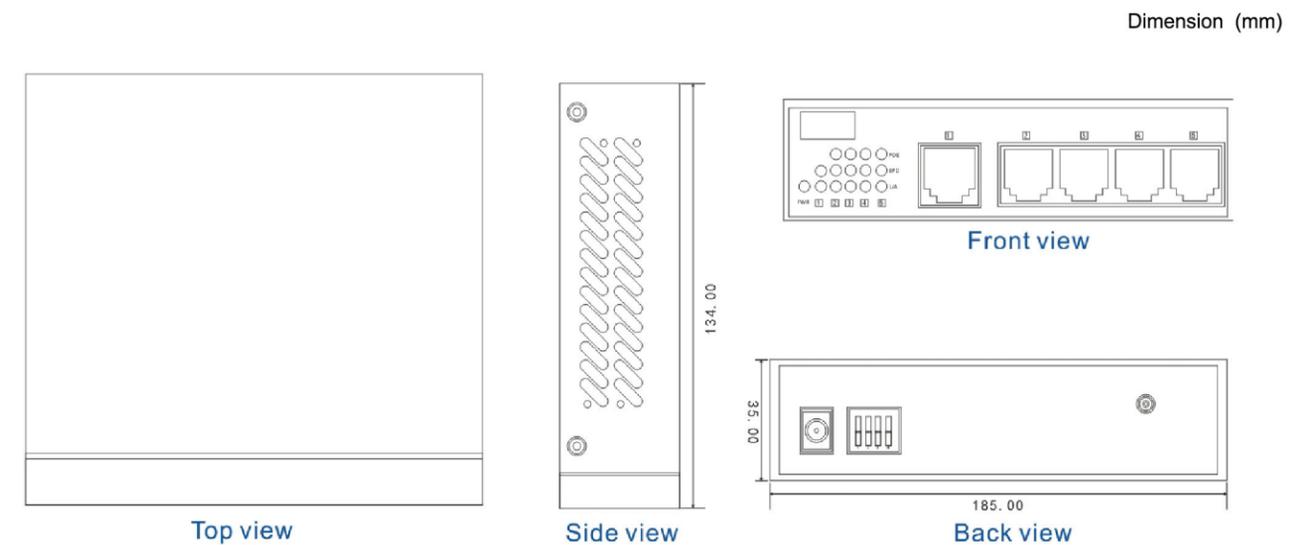
### Physical Characteristics

Housing :Metal ,IP30Protection  
 Size: 185mm\*140mm\*42mm  
 Weight :700g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS105-1GF4T-AF	65	4(P.S.E.)	—	—	1
DS105-1GF4T-AT	125	4(P.S.E.)	—	—	1

# DS109-1GF1GT8T-AF/AT

**9-port Unmanaged PoE Fast Ethernet switch**  
**With 8×10/100Base-T(X) ports and 1×Gigabit combo ports, SFP socket**



- 8×10/100Base-T(X) 1×Gigabit combo ports
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design



## Switch Property

Switching bandwidth:3.6Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

## Warranty

3 years

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Introduction

DS109-1GF1GT8T-AF/AT is designed for bad and extreme outdoor environment, with 8 10/100BaseT(x) and 1Gigabit combo ports. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 8×10/100Base-T(X) 1×Gigabit combo ports;
- -20 ~ 60 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT  
 IEEE 802.3z 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

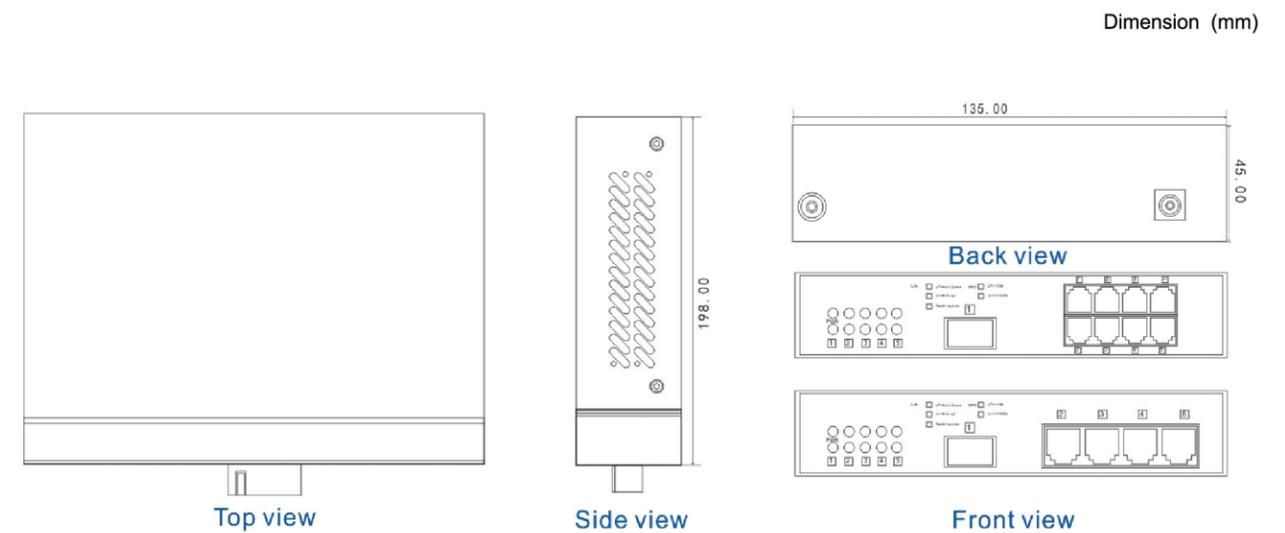
### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 185mm\*140mm\*42mm  
 Weight :700g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS109-1GF1GT8T-AF	150	8(P.S.E.)	1	—	1 (SFP slot)
DS109-1GF1GT8T-AT	300	8(P.S.E.)	1	—	1 (SFP slot)

# DS109-1GF8T-AF/AT

9-port Unmanaged PoE Fast Ethernet switch  
With 8x10/100Base-T(X) P.S.E. ports 1x1000Base-FX



- 8x10/100Base-T(X) 1x1000Base-FX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design



## Introduction

DS109-1GF8T-AF/AT is designed for bad and extreme outdoor environment, with 8 10/100BaseT(x) and 1 1000BaseFX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 8 10/100BaseT(X) and 1 1000BaseFX;
- -20 ~ 60 °C operating temperature;
- Redundant dual power input;
- IP40 protection, fanless design

- 50/125um, 800 MHz\*km optical fiber cable
- 62.5/125 um, 500MHz\*km fiber cable
- 9/125um single mode fiber cable

	1000BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3z 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
Size: 290mm\*165mm\*45mm  
Weight :1200g  
Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:3.6Gbps  
Packet Buffer Size:1Mb  
MAC table size:8K  
Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
LED Light:PWR,ALM, L/A,SPD,PoE

## Warranty

3 years

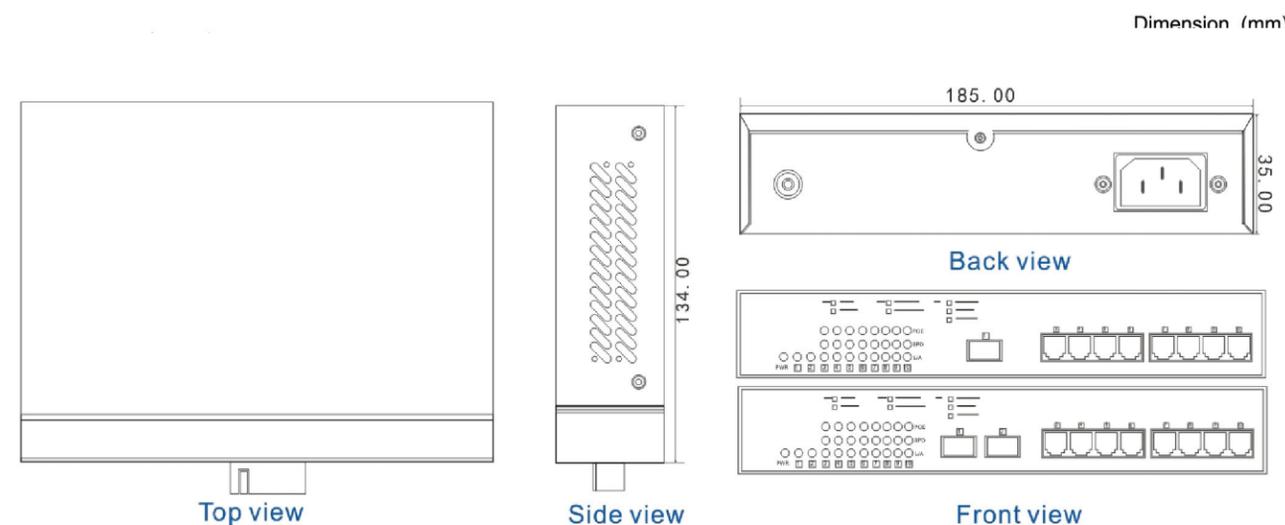
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS109-1GF1GT8T-AF	150	8(P.S.E.)	1	—	1 (SFP slot)
DS109-1GF1GT8T-AT	300	8(P.S.E.)	1	—	1 (SFP slot)

# DS1010-2GF8T-AF/AT

**10-port Unmanaged PoE Fast Ethernet switch**  
**With 8x10/100Base-T(X) P.S.E. ports 2x1000Base-FX, SFP socket**



- 8x10/100Base-T(X)2x1000Base-FX
- Supports auto-negotiation and auto-MDI/MDIX
- Support P.S.E. based on IEEE802.3at standard up to 30Watts per port
- Industrial 4 grade
- with IP40 Aluminum housing protection and Din rail design



## Switch Property

Switching bandwidth:3.6Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR,ALM, L/A,SPD,PoE

## Warranty

3 years

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Introduction

DS1010-2GF8T-AF/AT is designed for bad and extreme outdoor environment, with 8 10/100BaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 8x10/100BaseT(X) and 2x1000BaseFX;
  - -20 ~ 60 °C operating temperature;
  - Redundant dual power input;
  - IP40 protection, fanless design
- a. 50/125um, 800 MHz\*km optical fiber cable  
 b. 62.5/125 um, 500MHz\*km fiber cable  
 c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3z 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

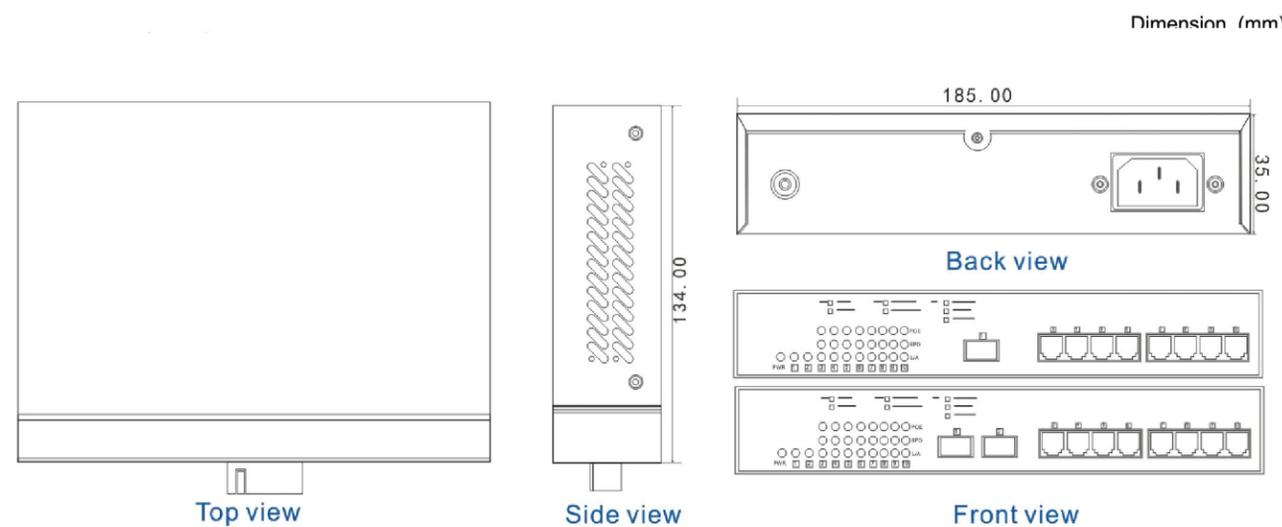
### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 290mm\*165mm\*45mm  
 Weight :1200g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS1010-2GF8T-AF	150	8(P.S.E.)	—	—	2
DS1010-2GF8T-AT	300	8(P.S.E.)	—	—	2

# DS1018-2GF2GT16T-AF/AT

**18-port Unmanaged PoE Fast Ethernet switch**  
**With 16x10/100Base-T(X) P.S.E. ports 2xGigabit combo ports,SFP socket**



- 16x10/100Base-T(X)2xGigabit combo ports
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell,Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~ 60°C



## Switch Property

Switching bandwidth:7.2Gbps  
 Packet Buffer Size:2.75Mb  
 MAC table size:4K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR, Link/ACT,SPD,POE

## Warranty

3 years

## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Introduction

DS1018-2GF2GT16T-AF/AT is designed for bad and extreme outdoor environment,with 16 10/100MBaseT(x) and 2Gigabit combo ports. It features 6KV lighting protection,-20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 16x10/100BaseT(X) and 2xGigabit combo ports ;
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell,Internal power, 100~240V AC;
- EMC-4 compliant

- a.50/125um,800 MHz\*kmopticalfiber cable
- b. 62.5/125 um,500MHz\*km fiber cable
- c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3z 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

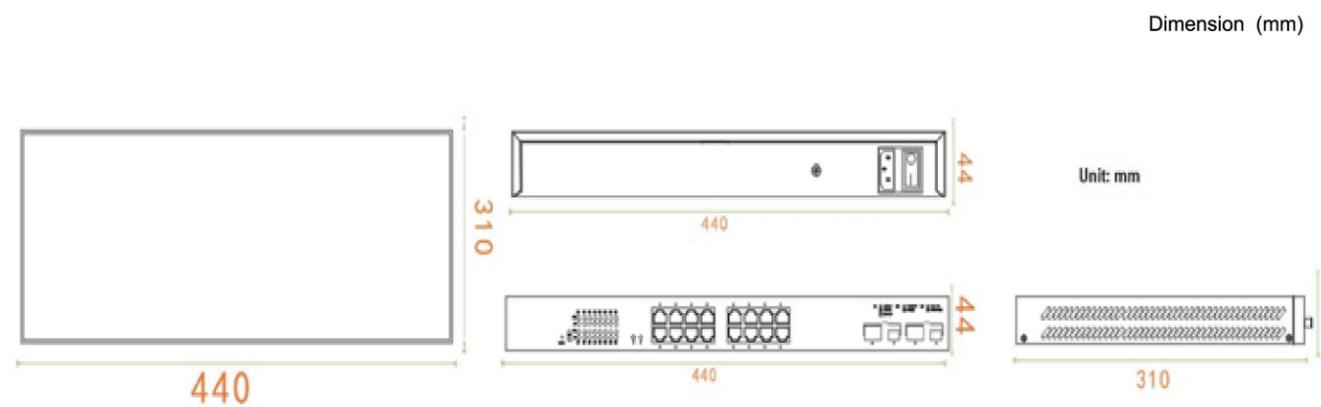
### Physical Characteristics

Housing :Metal, IP30Protection  
 Size: 440x310x44 mm  
 Weight :2700g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS1018-2GF2GT16T-AF	150	16(P.S.E.)	2	—	2(SFP slot)
DS1018-2GF2GT16T-AT	300	16(P.S.E.)	2	—	2(SFP slot)

# DS1026-2GF2GT24T-AF/AT

26-port unmanaged PoE Ethernet switch with 24x10/100Base-T(X) P.S.E.ports and 2xGigabit combo ports,SFP socket



- 24x10/100Base-T(X)2xGigabit combo ports
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- No fan, Metal shell,Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

DS1026-2GF2GT24T-AF/AT is designed for bad and extreme outdoor environment, with 24 10/100MBaseT(x) and 2Gigabit combo ports. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 24x10/100Base-T(X)2xGigabit combo ports;
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3z 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
Size: 440x310x44 mm  
Weight :2700g  
Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:8.8Gbps  
Packet Buffer Size:2.75Mb  
MAC table size :4K  
Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
RJ45 Port:10/100Mbps, Full/Half duplex,MDI/MDI-X  
LED Light:PWR, Link/ACT,SPD,POE

## Warranty

3 years

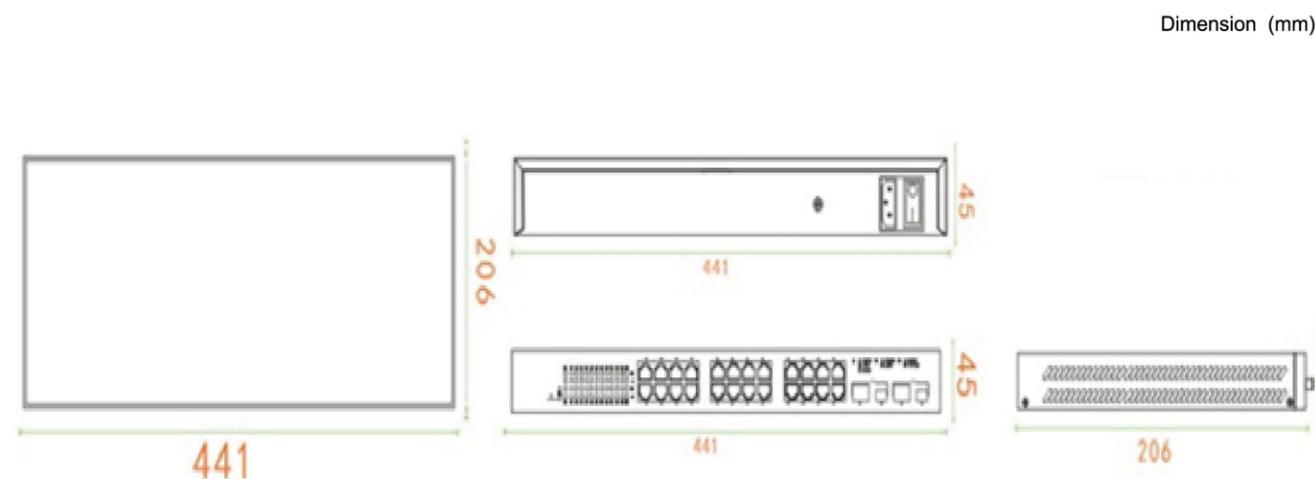
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Max. Watt	Interface			
		10/100BaseT	10/100/1000BaseT	1000BaseFX	
				multi mode sc	Single mode SC
DS1026-2GF2GT24T-AF	300	24(P.S.E.)	2	—	2(SFP slot)
DS1026-2GF2GT24T-AT	300	24(P.S.E.)	2	—	2(SFP slot)

# DS205-1GF4GT

5-port unmanaged Gigabyte Ethernet switch  
With 4x10/100/1000Base-T(X) ports and 1x1000Base-FX



- 4x10/100/1000BaseT(X) 1x1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port anti-lighting (6KV)
- Working temperature: -20°C ~ 60°C
- DIP switch provide three-mode configuration



## Introduction

DS205-1GF4GT is designed for bad and extreme outdoor environment, with 4 10/100/1000MBaseT(x) and 1 1000BaseFX.

It features 6KV lighting protection, -20°C ~ 60°C operating temperature, and DIP switch that provide three-mode configuration (one-key VLAN / videochannel / long distance transmission). It is one of best choice for the video surveillance application.

## Characteristic

- 4x10/100/1000BaseT(X) and 1x1000BaseFX;
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell, Internal power, 100~240V AC;
- DIP switch(one-key VLAN / video channel / long distance transmission)

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturation	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT ,  
IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
Size: 125x109x 32mm  
Weight :430g  
Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 18Gbps  
Packet Buffer Size: 1Mb  
MAC table size: 8K  
Jumbo Frames: 9.6K Bytes

## Port

Fiber Ports: 1000Mbps  
RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

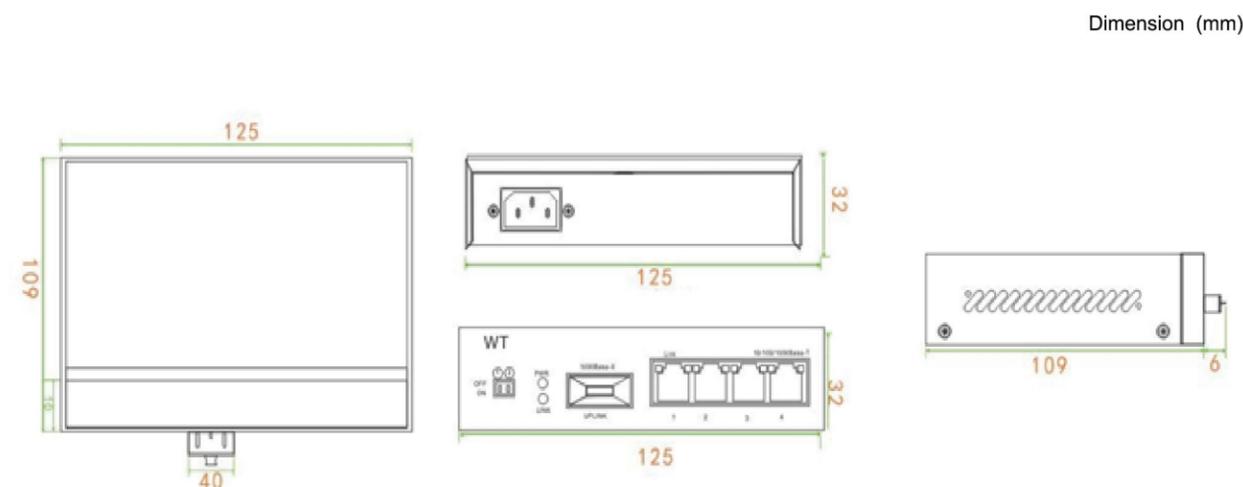
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS205-1GF4GT	—	4	—	1

# DS106-1GF5GT

**6-port unmanaged Gigabyte Ethernet switch**  
**With 5×10/100/1000Base-T(X) ports and 1×1000Base-FX**



- 5×10/100/1000BaseT(X) 1×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port anti-lighting (6KV)
- Working temperature: -20°C ~ 60°C
- DIP switch provide three-mode configuration



## Introduction

DS106-1GF5GT is designed for bad and extreme outdoor environment, with 5x10/100/1000MBaseT(x) and 1x1000BaseFX.

It features 6KV lighting protection, -20°C ~ 60°C operating temperature, and DIP switch that provide three-mode configuration (one-key VLAN / videochannel / long distance transmission). It is one of best choice for the video surveillance application.

## Characteristic

- 5x10/100/1000BaseT(X) and 1x1000BaseFX;
- Working temperature: -20°C ~ 60°C;
- No fan, Metal shell, Internal power, 100~240V AC;
- DIP switch(one-key VLAN / video channel / long distance transmission)

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 125x109x 32mm  
 Weight :430g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 18Gbps  
 Packet Buffer Size: 1Mb  
 MAC table size: 8K  
 Jumbo Frames: 9.6K Bytes

## Port

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

## Standards and certification

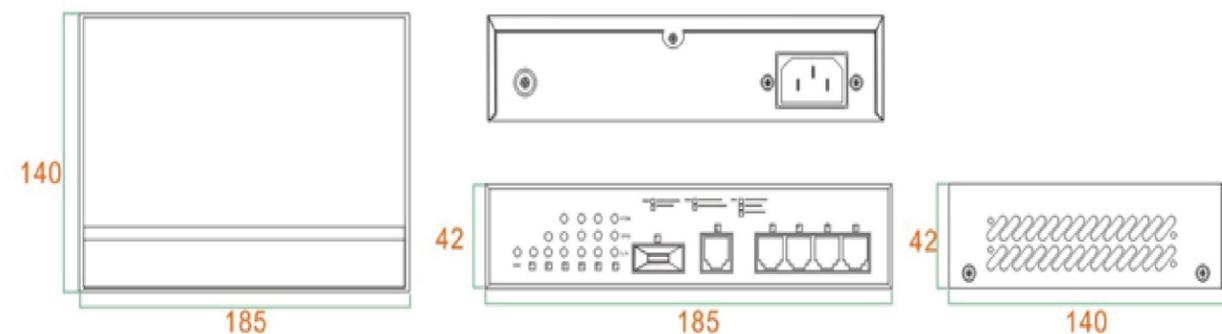
EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension

Dimension (mm)



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS106-1GF5GT	—	5	1	

# DS106-2GF4GT

**6-port unmanaged Gigabyte Ethernet switch**  
**With 4x10/100/1000Base-T(X) ports and 2x1000Base-FX**



- 4x10/100/1000BaseT(X) 2x1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port anti-lighting (6KV)
- Working temperature: -20°C ~ 60°C
- DIP switch provide three-mode configuration



## Introduction

DS106-2GF4GT is designed for bad and extreme outdoor environment, with 4 10/100/1000MBaseT(x) and 2 1000BaseFX.

It features 6KV lighting protection, -20°C ~ 60°C operating temperature, and DIP switch that provide three-mode configuration (one-key VLAN / videochannel / long distance transmission). It is one of best choice for the video surveillance application.

## Characteristic

- 4x10/100/1000BaseT(X) and 2x1000BaseFX;
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell, Internal power, 100~240V AC;
- DIP switch(one-key VLAN / video channel / long distance transmission)

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 290\*165\*40mm  
 Weight :1200g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:12Gbps  
 Packet Buffer Size:1Mb  
 MAC table size:8K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
 LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

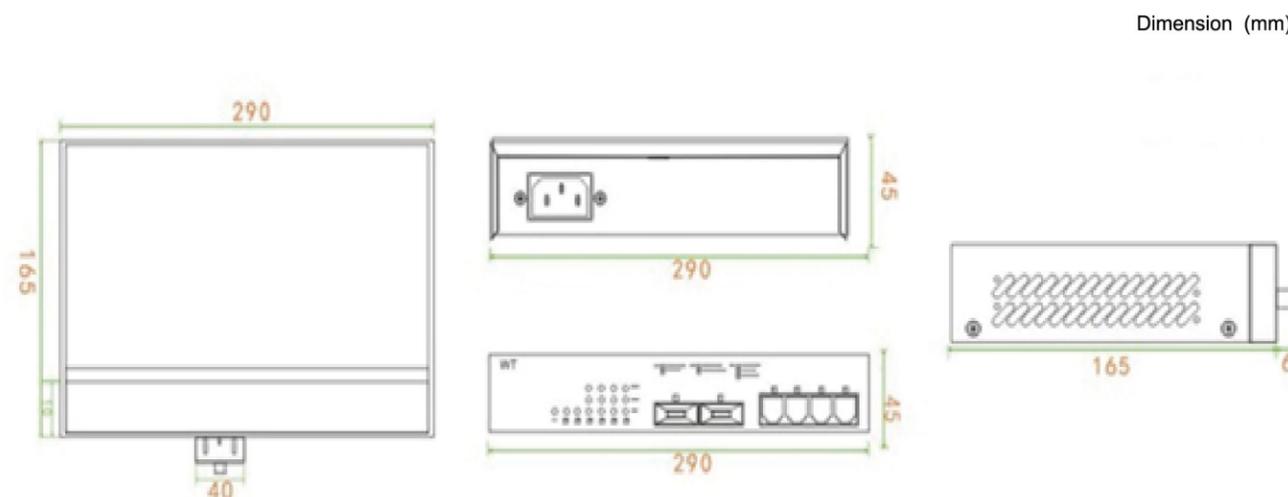
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS106-1GF5GT	—	5	1	

# DS606-2GF4GT

6-port Managed Gigabyte Ethernet Switch  
With 4x10/100/1000Base-T(X) ports and 2x1000Base-FX



- 4x10/100/1000BaseT(X) 2x1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port anti-lighting (6KV)
- Working temperature: -20°C ~ 60°C
- DIP switch provide three-mode configuration



## Introduction

DS206-2GF4GT is designed for bad and extreme outdoor environment, with 4 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

It support IGMP snooping, VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- support VLAN
- support static multicast, IGMP Snooping;
- support web management, SNMP;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

- IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT
- IEEE 802.3ab 1000BaseT, IEEE 802.3z 1000BaseFX
- IEEE 802.3x
- IEEE 802.1d-2004 STP
- IEEE 802.1w RSTP
- IEEE 802.1s RSTP
- IEEE 802.1p Cos
- IEEE 802.1q VLAN
- SNMPv1, HTTP, STP, RSTP

### Power Requirement

Input Voltage : 100~240V AC  
Input Current : Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
Dimensions: 290\*165\*40mm  
Weight: 1220g  
Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
VLAN : 1-4094  
VLAN-ID: 20 Switching bandwidth: 12Gbps  
Packet Buffer Size : 1Mb  
MAC Table size : 8K  
Jumbo Frame Size : 9.6K Bytes

## Port

Fiber Ports: 1000Mbps  
RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

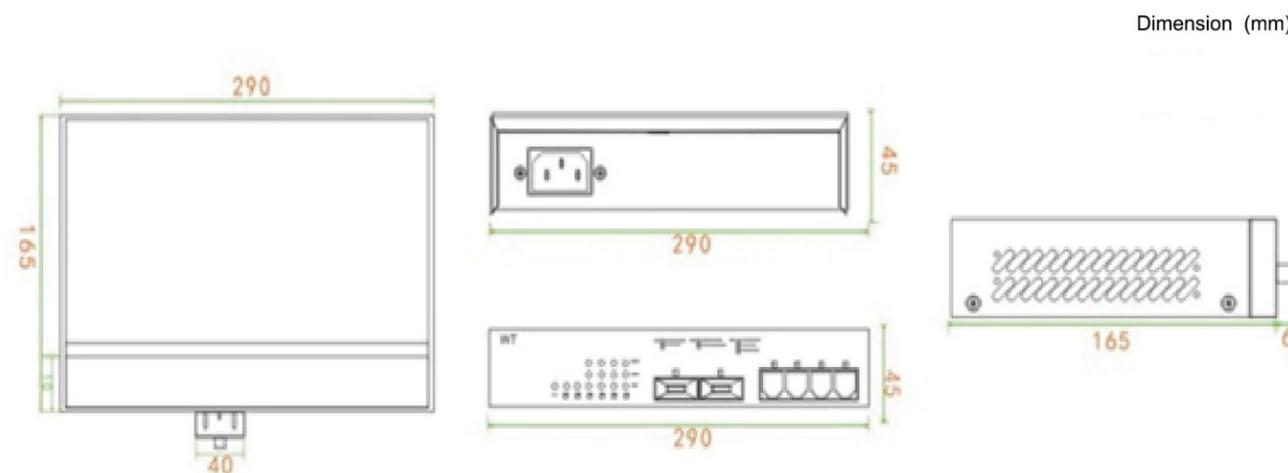
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS606-2GF4GT	—	4	—	2

# DS209-1GF8GT

9-port unmanaged Gigabyte Ethernet switch  
With 8×10/100/1000Base-T(X) ports and 1×1000Base-FX



- 8×10/100/1000BaseT(X) 1×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port anti-lighting (6KV)
- Working temperature: -20°C ~ 60°C
- DIP switch provide three-mode configuration



## Introduction

DS209-1GF8GT is designed for bad and extreme outdoor environment, with 8 10/100/1000MBaseT(x) and 1 1000BaseFX.

It features 6KV lighting protection, -20°C ~ 60°C operating temperature, and DIP switch that provide three-mode configuration (one-key VLAN / videochannel / long distance transmission). It is one of best choice for the video surveillance application.

## Characteristic

- 8×10/100/1000BaseT(X) 1×1000BaseFX
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell, Internal power, 100~240V AC ;
- DIP switch(one-key VLAN / video channel / long distance transmission)

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT,  
IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30Protection  
Size: 160x115x40mm  
Weight :600g  
Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:18Gbps  
Packet Buffer Size:1Mb  
MAC table size:8K  
Jumbo Frames:9.6K Bytes

## Interface

Fiber Ports:1000Mbps  
RJ45 Port:10/100/1000Mbps, Full/Half duplex,MDI/MDI-X  
LED Indicator:PWR, Link/ACT, SPD

## Warranty

3 years

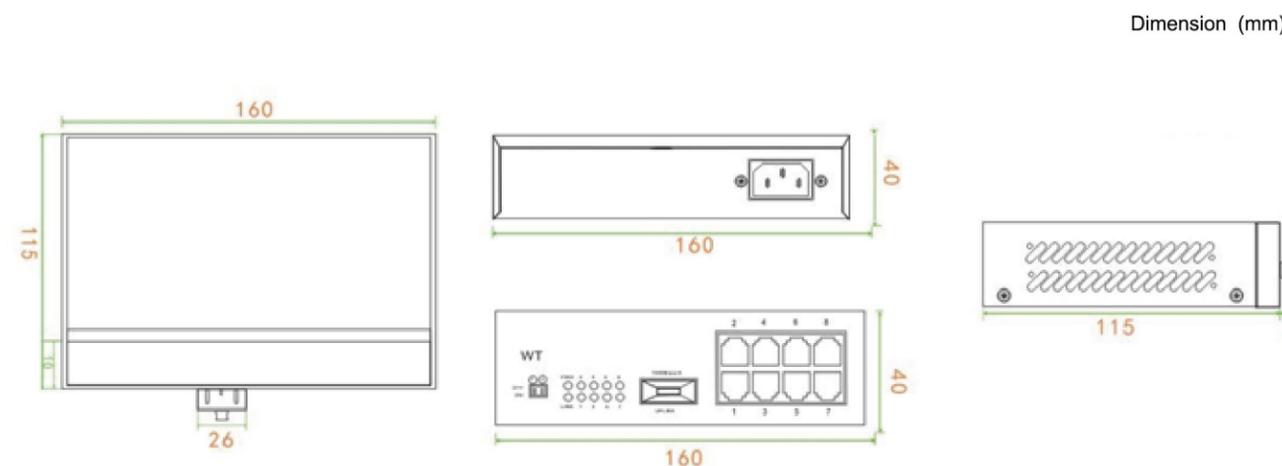
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration:IEC60068-2-6  
Shock:IEC60068-2-27  
Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS209-1GF8GT	—	8	—	1

# DS2010-2GF8GT

**10-port unmanaged Gigabyte Ethernet switch**  
**With 8×10/100/1000Base-T(X) ports and 2×1000Base-X, SFP socket**



- 8×10/100/1000BaseT(X) 2×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~ 60°C



## Introduction

DS2010-2GF8GT is designed for bad and extreme outdoor environment, with 8 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of the best choices for the video surveillance application.

## Characteristic

- 8×10/100/1000BaseT(X) 2×1000BaseFX
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell, Internal power, 100~240V AC;
- DIP switch (one-key VLAN / video channel / long distance transmission)

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing : Metal, IP30 Protection  
 Size: 290\*165\*40mm  
 Weight : 1200g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 20Gbps  
 Packet Buffer Size: 3Mb  
 MAC table size: 8K  
 Jumbo Frames: 9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

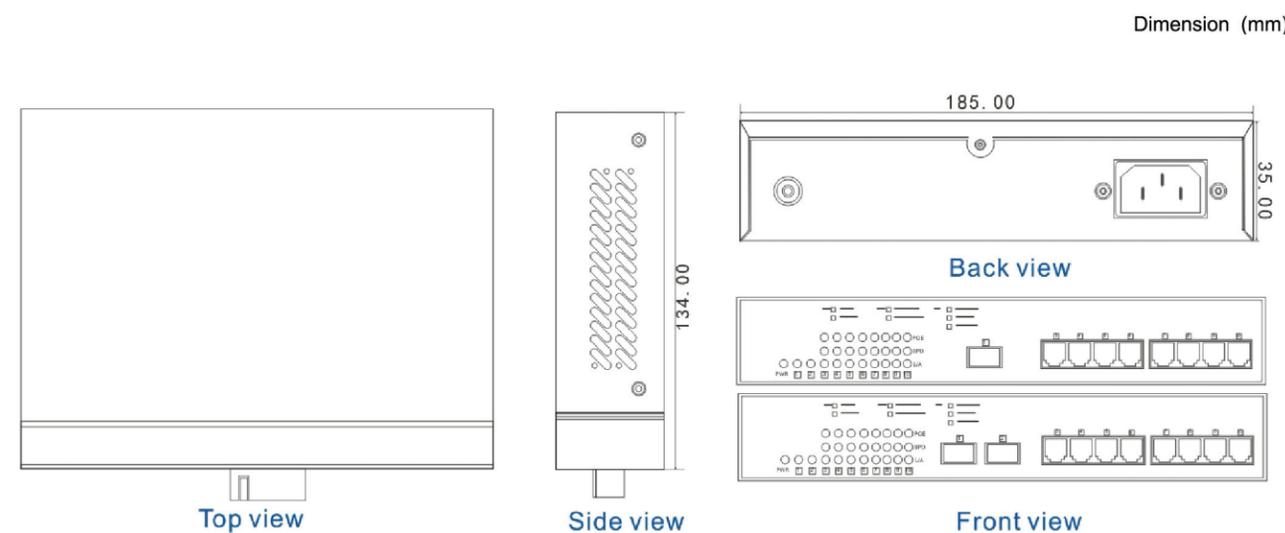
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS2010-2GF8GT	—	8	—	2 ( SFP slot)

# DS6010-2GF8GT

**10-port Managed Gigabyte Ethernet Switch**  
**With 8×10/100/1000Base-T(X) ports and 2×1000Base-FX**



- 8×10/100/1000BaseT(X) 2×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃
- WEB management, support VLAN, QoS, STP/RSTP, SNMP



## Introduction

DS6010-2GF8GT is designed for bad and extreme outdoor environment, with 8 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

It support IGMP snooping, VLAN, QoS, port mirroring, SNMP, RMON ect, redundant backup Link Aggregation, and STP/RSTP/MSTP, ensure the network reliability and usability.

## Characteristic

- 8×10/100/1000BaseT(X) 2×1000BaseFX;
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC;
- DIP switch(one-key VLAN / video channel / long distance transmission)

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT, IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN  
 SNMPv1, HTTP, STP, RSTP

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 290\*165\*40mm  
 Weight: 1220g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID: 20 Switching bandwidth: 20Gbps  
 Packet Buffer Size :3Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

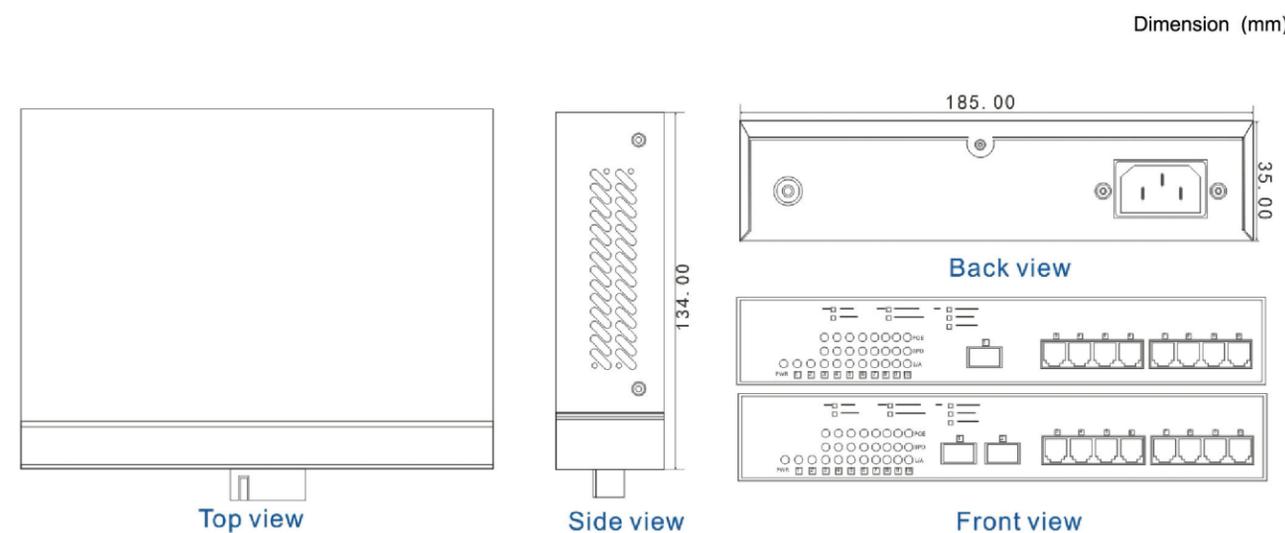
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS6010-2GF8GT	—	8	—	2( SFP slot)

# DS7016-4GF12GT

**16-port Managed Gigabyte Ethernet Switch**  
**With 12×10/100/1000Base-T(X) ports and 4×1000Base-FX,SFP socket**



- 12×10/100/1000BaseT(X) 4×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃
- Command Line (CLI) + WEB
- Support Configuration ERPS and STP / RSTP / MSTP



## Introduction

DS7016-4GF12GT is designed for bad and extreme outdoor environment, with 12 10/100/1000BaseT(x) and 4 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

It supports a variety of useful exchange function, such as IGMP snooping, IEEE 802.1Q VLAN, QoS, ACL, port mirroring, SNMP, RMON, etc., and for redundant backup of Link Aggregation, ERPS and STP / RSTP / MSTP is increased network reliability and availability..

## Characteristic

- Support 4K 802.1Q VLAN and GVRP
- Support static multicast, IGMP Snooping;
- Support Remote SSH Management Configuration;
- QoS (IEEE 802.1p and DSCP) to improve data transmission.
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturation	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT, IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1D STP  
 IEEE 802.1w RSTP and IEEE 802.1s MSTP  
 IEEE 802.1p Cos  
 IEEE 802.1Q VLAN

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 320mm\*205mm\*44mm  
 Weight: 2000g  
 Installation: Desk / Wall / Rack mounting

### Environment

Operating Temperature: -20 ~ 60℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 8VLAN : 1-4094  
 VLAN-ID: 20 Switching bandwidth: 32Gbps  
 Packet Buffer Size : 3Mb  
 MAC Table size : 8K  
 Jumbo Frame Size : 9.6K Bytes

## Interface

Serial ports: RS-232 (Interface Type: RJ45 slot)  
 Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, Status

## Warranty

3 years

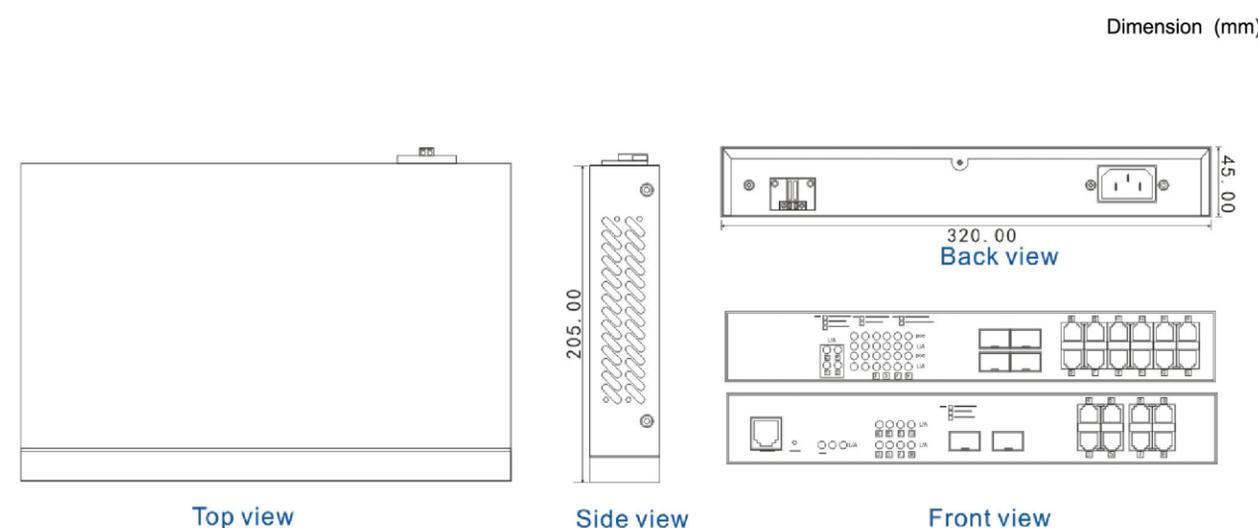
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS6016-4GF12GT	—	12	—	4 (SFP slot)

# CS7026-2GF24GT

**26-port Managed Gigabyte Ethernet Switch**  
**With 24×10/100/1000Base-T(X) ports and 2×1000Base-FX,SFP socket**



- 24×10/100/1000BaseT(X) 2×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃
- Command Line (CLI) + WEB
- Support Configuration ERPS and STP / RSTP / MSTP



## Introduction

CS7026-2GF24GT is designed for bad and extreme outdoor environment, with 16 10/100/1000MBaseT(x) and 2 1000BaseFX. It features 6KV lightning protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

It supports a variety of useful exchange function, such as IGMP snooping, IEEE 802.1Q VLAN, QoS, ACL, port mirroring, SNMP, RMON, etc., and for redundant backup of Link Aggregation, ERPS and STP / RSTP / MSTP is increased network reliability and availability.

## Characteristic

- Support 4K 802.1Q VLAN and GVRP
- Support static multicast, IGMP Snooping;
- Support Remote SSH Management Configuration
- QoS (IEEE 802.1p and DSCP) to improve data transmission.
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1D STP  
 IEEE 802.1w RSTP and IEEE 802.1s MSTP  
 IEEE 802.1p Cos  
 IEEE 802.1Q VLAN

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 440mm\*310mm\*44mm  
 Weight: 3100g  
 Installation: Rack-mount

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 8VLAN : 1-4094  
 VLAN-ID: 20 Switching bandwidth: 52Gbps  
 Packet Buffer Size : 3Mb  
 MAC Table size : 8K  
 Jumbo Frame Size : 9.6K Bytes

## Interface

Serial ports: RS-232 (Interface Type: RJ45 slot)  
 Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

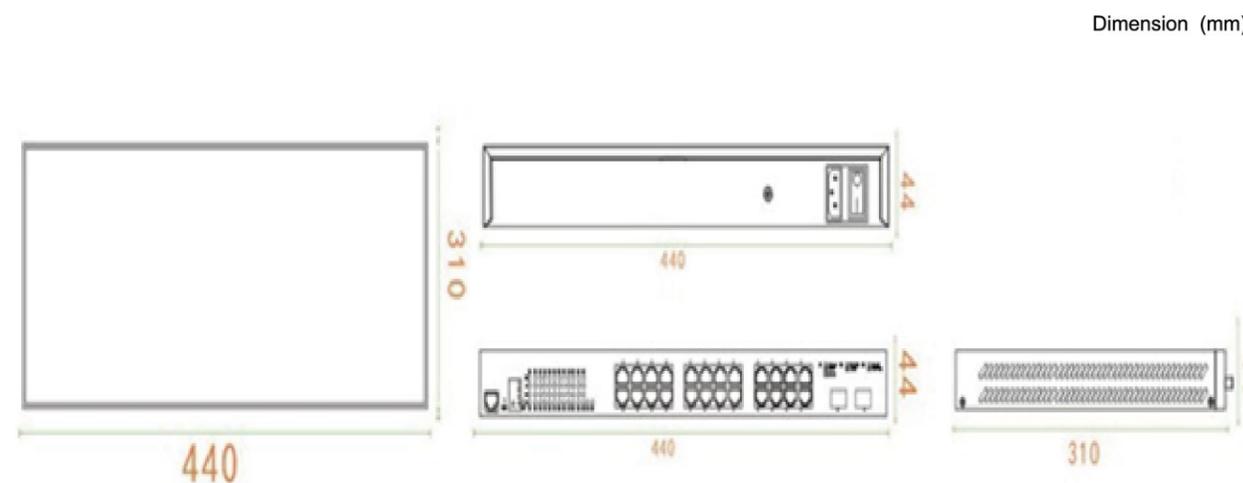
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi mode sc   Single mode SC
CS7026-2GF24GT	—	24	2 ( SFP slot)

# CS7024-12GF12GT

**24-port Managed Gigabyte Ethernet Switch**  
**With 12×10/100/1000Base-T(X) ports and 12×1000Base-FX,SFP socket**



- 12×10/100/1000BaseT(X) 12×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃
- Command Line (CLI) + WEB
- Support Configuration ERPS and STP / RSTP / MSTP



## Introduction

CS7024-12GF12GT is designed for bad and extreme outdoor environment, with 12 10/100/1000MBaseT(x) and 12 1000BaseFX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

It supports a variety of useful exchange function, such as IGMP snooping, IEEE 802.1Q VLAN, QoS, ACL, port mirroring, SNMP, RMON, etc., and for redundant backup of Link Aggregation, ERPS and STP / RSTP / MSTP is increased network reliability and availability.

## Characteristic

- Support 4K 802.1Q VLAN and GVRP
- Support static multicast, IGMP Snooping;
- Support Remote SSH Management Configuration
- QoS (IEEE 802.1p and DSCP) to improve data transmission.
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT, IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1D STP  
 IEEE 802.1w RSTP and IEEE 802.1s MSTP  
 IEEE 802.1p Cos  
 IEEE 802.1Q VLAN

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 440mm\*310mm\*44mm  
 Weight: 3100g  
 Installation: Rack-mount

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 8.8Gbps  
 Packet Buffer Size: 2.75Mb  
 MAC table size: 4K  
 Jumbo Frames: 9.6K Bytes

## Interface

Serial ports: RS-232 (Interface Type: RJ45 slot)  
 Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

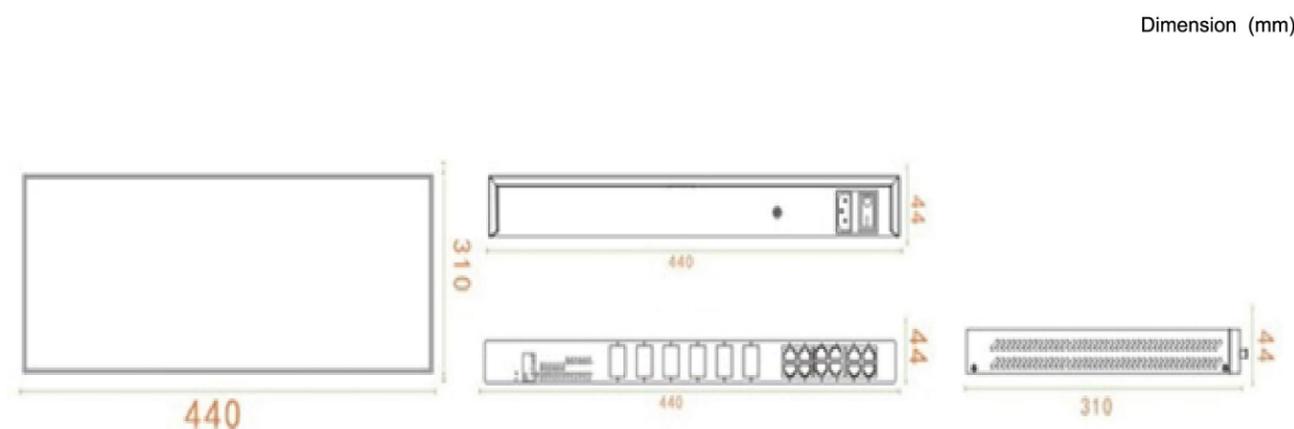
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
			multi mode sc   Single mode SC
CS7024-12GF12GT	—	12	12 (SFP slot)

# DS205-1GT4T

**5-port unmanaged Fast Ethernet switch**  
**With 4×10/100Base-T(X) ports and 1×10/100/1000Base-T(X)**



- 4×10/100BaseT(X) 1×10/100/1000Base-T(X)
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~ 60°C



## Introduction

DS105-1GT4T is designed for bad and extreme outdoor environment, with 4x10/100BaseT(x) and 1x10/100/1000Base-T(X). It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 4×10/100BaseT(X) 1×10/100/1000Base-T(X)
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell, Internal power, 100~240V AC ;
- EMC-4 compliant

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 440mm\*310mm\*44mm  
 Weight: 3100g  
 Installation: Rack-mount

### Environment

Operating Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C ( - 4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 2.8Gbps  
 Packet Buffer Size: 1Mb  
 MAC table size: 8K  
 Jumbo Frames: 9.6K Bytes

## Port

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

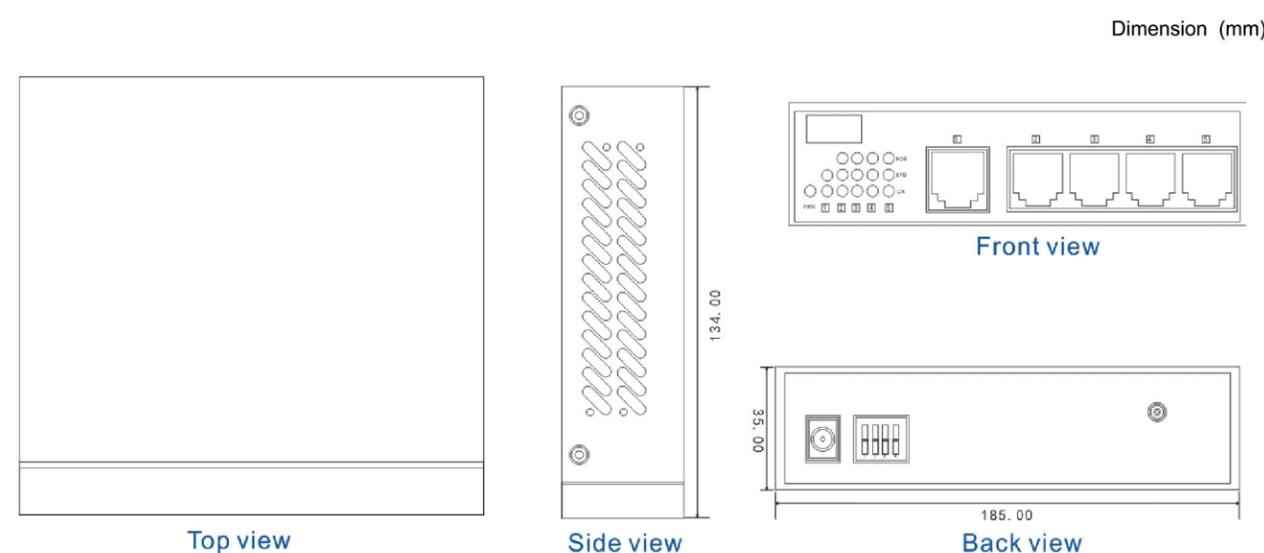
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS105-1GT4T	4	1	—	—

# DS205-1F4T

**5-port unmanaged Fast Ethernet Switch**  
**With 4×10/100Base-T(X) ports and 1×100Base-FXport**



- 4×10/100BaseT(X) 1×100BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port anti-lighting (6KV)
- Working temperature: -20℃~60℃
- DIP switch provide three-mode configuration



## Introduction

DS105-1GT4T is designed for bad and extreme outdoor environment, with 4 10/100MBaseT(x) and 1 10/100/1000Base-T(X). It features 6KV lighting protection, -20℃~60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 4×10/100BaseT(X) 1×100BaseFX
- Working temperature: -20℃~60℃;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

EEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3u 100BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30Protection  
 Size: 125x109x 32mm  
 Weight :430g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4~140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4~140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:1Gbps  
 Packet Buffer Size:512K  
 MAC table size:1K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100Mbps, Full/Half duplex,MDI/MDI-X  
 LEDLight:PWR, Link/ACT, SPD

## Warranty

3 years

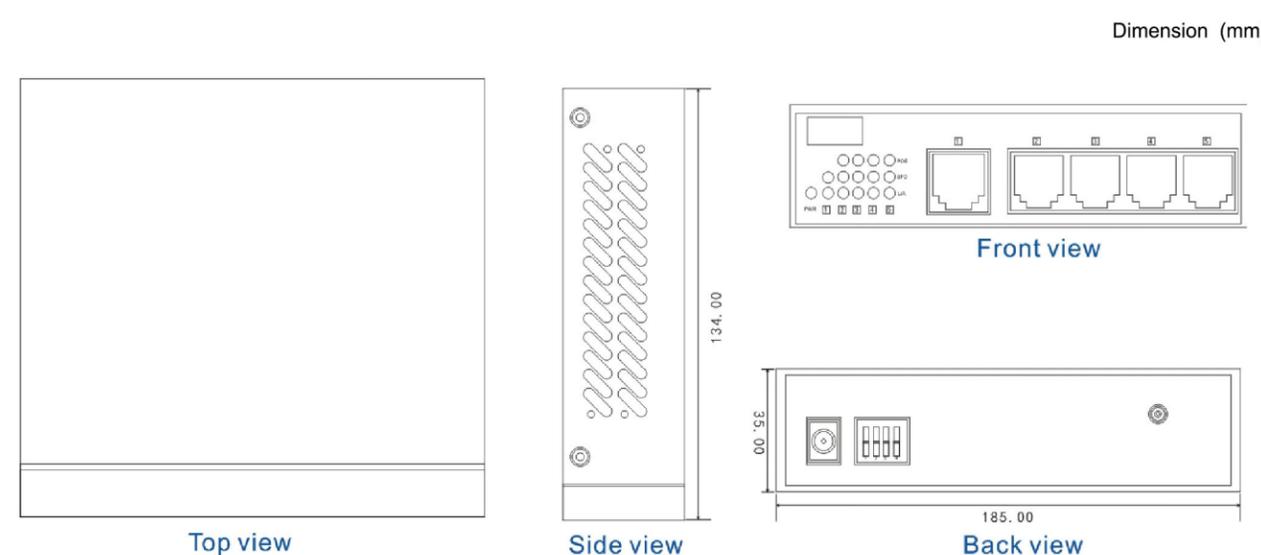
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100 BaseFX	
			multi mode sc	Single mode SC
DS205-1F4T	4	—	—	1

# DS605-1F4T

**5-port Managed Fast Ethernet Switch  
With 4×10/100Base-T(X) ports and 1×100Base-FX**



- 4×10/100BaseT(X) 1×100BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~ 60°C
- WEB management, support VLAN, SNMP



## Introduction

DS605-1F4T is designed for bad and extreme outdoor environment, with 4 10/100MBase-T(x) and 1 100Base-FX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application.

It support IGMP snooping, VLAN, QoS, port mirroring, SNMP, RMON ect, ensure the network reliability and usability.

## Characteristic

- support VLAN
- support static multicast, IGMP Snooping;
- support web management, SNMP;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3u 100BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN  
 SNMPv1, HTTP, STP, RSTP

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 185\*140\*40mm  
 Weight: 700g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID: 20 Switching bandwidth: 1Gbps  
 Packet Buffer Size :1Mb  
 MAC Table size :8K  
 Jumbo Frame Size :9.6K Bytes

## Interface

Fiber Ports: 100Mbps  
 RJ45 Port: 10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

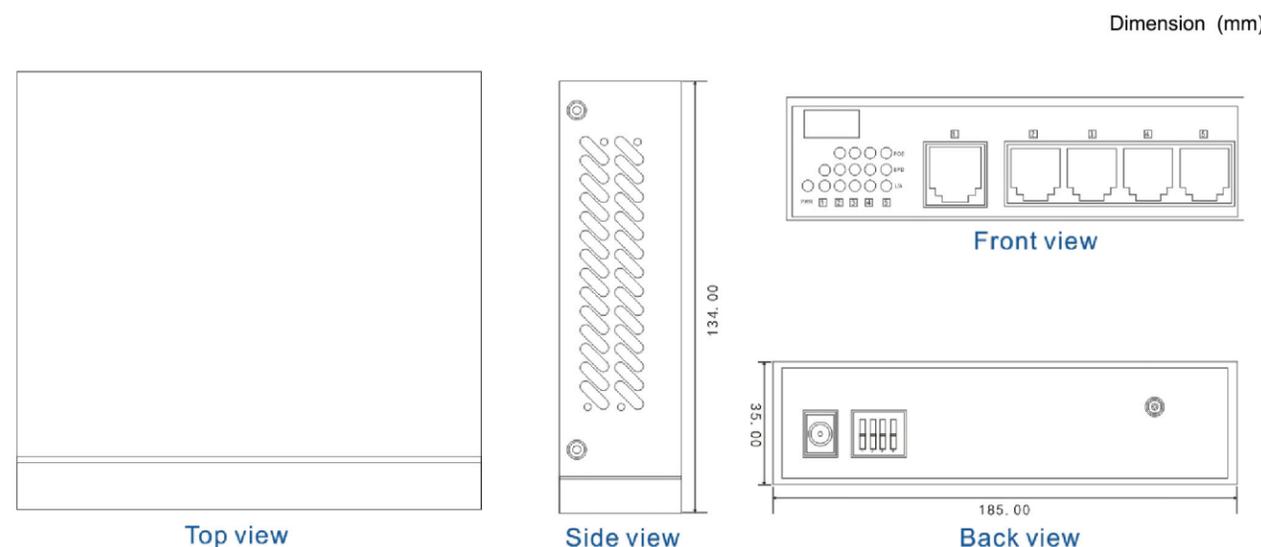
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	100BaseFX	
			multi mode sc	Single mode SC
DS605-1F4T	4	—	—	1

# DS605-1GF4T

**5-port Managed Fast Ethernet Switch  
With 4×10/100Base-T(X) ports and 1×1000Base-FX**



- 4×10/100BaseT(X) 1×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20°C ~ 60°C
- WEB management, support VLAN, SNMP



## Introduction

DS605-1GF4T is designed for bad and extreme outdoor environment, with 4 10/100Base-T(x) and 1 1000Base-FX. It features 6KV lighting protection, -20°C ~ 60°C operating temperature. It is one of best choice for the video surveillance application

It support IGMP snooping, VLAN, QoS, port mirroring, SNMP, RMON ect, ensure the network reliability and usability.

## Characteristic

- support VLAN
- support static multicast, IGMP Snooping;
- support web management, SNMP;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
IEEE 802.3u 100BaseFX  
IEEE 802.3x  
IEEE 802.1d-2004 STP  
IEEE 802.1w RSTP  
IEEE 802.1sRSTP  
IEEE 802.1p Cos  
IEEE 802.1qVLAN  
SNMPv1, HTTP, STP, RSTP

### Power Requirement

Input Voltage :100~240V AC  
Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
Dimensions: 185\*140\*40mm  
Weight: 700g  
Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
VLAN : 1-4094  
VLAN-ID: 20 Switching bandwidth: 2.8Gbps  
Packet Buffer Size :1Mb  
MAC Table size :8K  
Jumbo Frame Size :9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

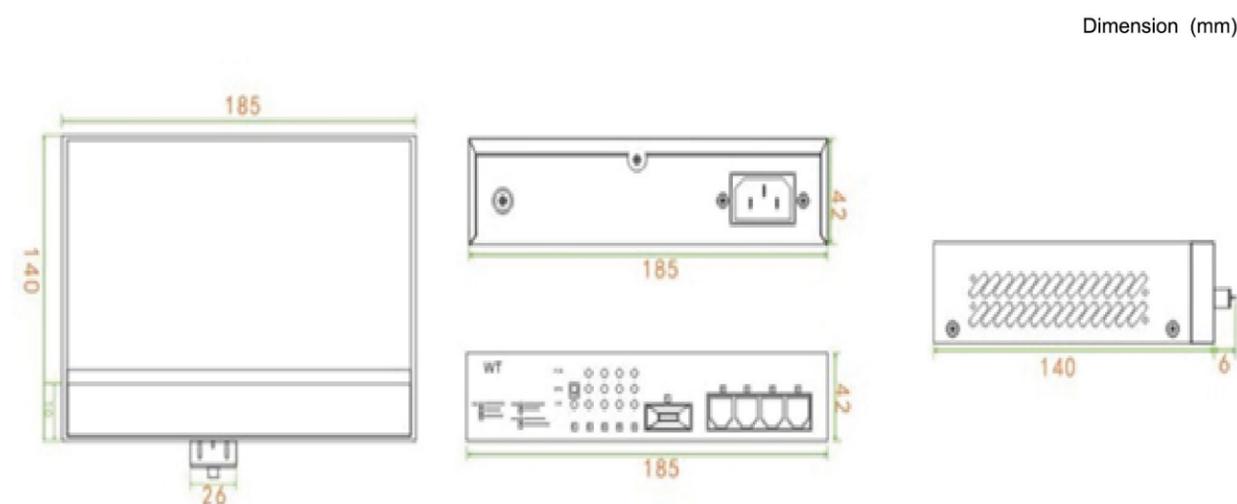
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
EMS:  
IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
Vibration: IEC60068-2-6  
Shock: IEC60068-2-27  
Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
DS605-1GF4T	4	—	1

# DS209-1F8T

**9-port Unmanaged Fast Ethernet Switch**  
**With 8×10/100Base-T(X) ports and 1×100Base-FX**



- 8×10/100BaseT(X) 1×Gigabit combo port
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20°C ~ 60°C



## Introduction

DS209-1F8T is designed for bad and extreme outdoor environment, with 8 10/100BaseT(x) and 1 100BaseFX.

It features 6KV lighting protection, -20°C ~ 60°C operating temperature, and DIP switch that provide three-mode configuration (one-key VLAN / video channel / long distance transmission). It is one of best choice for the video surveillance application.

## Characteristic

- 8×10/100BaseT(X) and 1×100BaseFX
- Working temperature: -20°C ~ 60°C ;
- No fan, Metal shell, Internal power, 100~240V AC ;
- DIP switch(one-key VLAN / video channel / long distance transmission)

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab1000BaseT,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30Protection  
 Size: 160x115x40mm  
 Weight:600g  
 Installation:Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 °C (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

switching bandwidth:1.8Gbps  
 Packet Buffer Size:64K  
 MAC table size:2K  
 Jumbo Frames:9.6K Bytes

## Port

Fiber Ports:1000Mbps  
 RJ45 Port:10/100Mbps, Full/Half duplex,MDI/MDI-X  
 LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

## Standards and certification

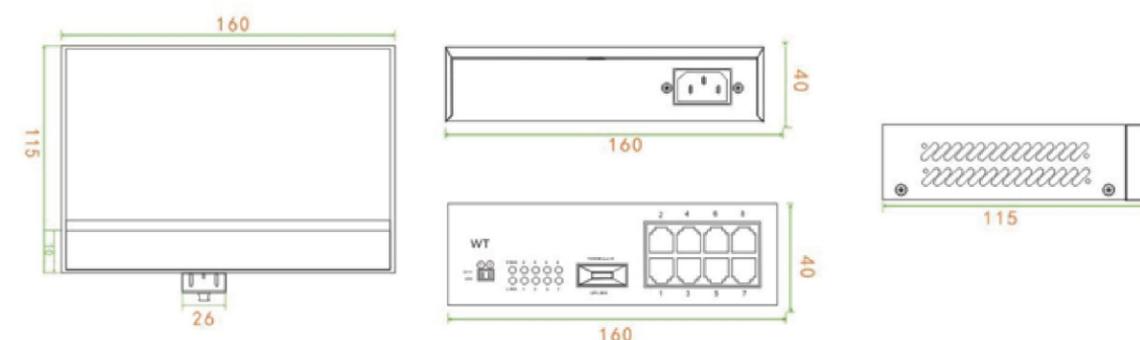
EMI:FCC Part 15/CISPR22(EN55022): Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC  
 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC  
 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension

Dimension (mm)



## Order information

Model	Interface			
	10/100BaseT	10/100/1000BaseT	1000BaseFX	
			multi mode sc	Single mode SC
DS209-1F8T	8	1	—	1

# DS609-1GF8T

**9-port Managed Fast Ethernet Switch  
With 8×10/100Base-T(X) ports and 1×1000Base-FX**



- 8×10/100BaseT(X) 1×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃
- WEB management, support VLAN、SNMP



## Introduction

DS609-1GF8T is designed for bad and extreme outdoor environment, with 8 10/100MBase-T(x) and 1 1000Base-FX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

It support IGMP snooping、VLAN、QoS、port mirroring、SNMP、RMON ect, ensure the network reliability and usability.

## Characteristic

- support VLAN
- support static multicast, IGMP Snooping;
- support web management, SNMP;
- QoS (IEEE 802.1p and DSCP) and opposite priority
- RMON improve the network monitor and predicative ability
- Port mirroring and trunking

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN  
 SNMPv1, HTTP, STP, RSTP

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 290mm\*165mm\*45mm  
 Weight: 1200g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID: 20 Switching bandwidth: 3.6Gbps  
 Packet Buffer Size : 1Mb  
 MAC Table size : 8K  
 Jumbo Frame Size : 9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100/1000Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

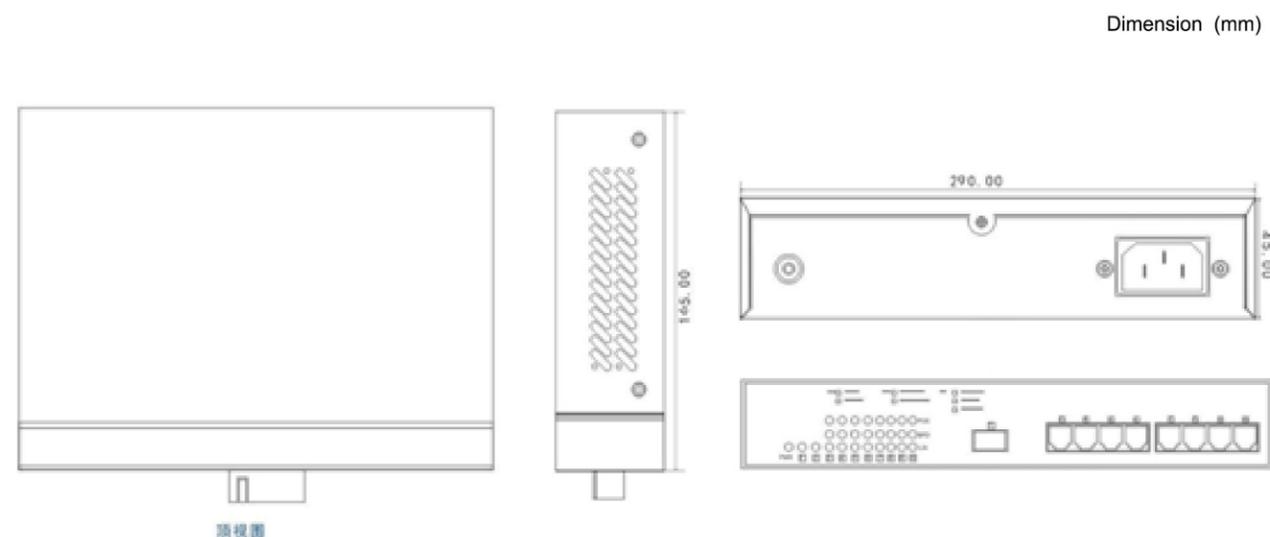
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX
DS609-1GF8T	8	—	1

# DS109-1GF1GT8T

**9-port unmanaged Fast Ethernet switch**  
**With 8×10/100Base-T(X) ports and 1×Gigabit combo port,SFP socket**



- 8×10/100BaseT(X) 1×Gigabit combo port
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell,Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

DS109-1GF1GT8T is designed for bad and extreme outdoor environment, with 8 10/100BaseT(X) and 1 Gigabit combo port. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

## Characteristic

- 8×10/100BaseT(X) 1×Gigabit combo port
- Working temperature: -20℃ ~ 60℃ ;
- No fan, Metal shell, Internal power, 100~240V AC ;
- DIP switch (one-key VLAN / video channel / long distance transmission)

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage : 100~240V AC  
 Input Current : Max 0.3A

### Physical Characteristics

Housing : Metal, IP30 Protection  
 Size: 290\*165\*40mm  
 Weight : 1200g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 3.6Gbps  
 Packet Buffer Size: 1Mb  
 MAC table size: 8K  
 Jumbo Frames: 9.6K Bytes

## Port

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Light: PWR, Link/ACT, SPD

## Warranty

3 years

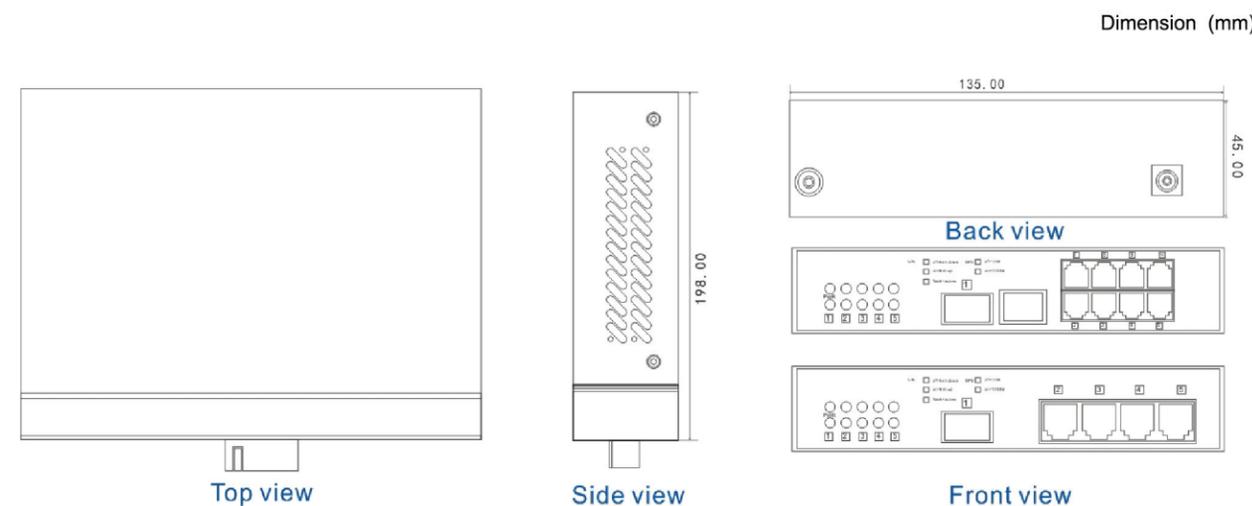
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi mode sc    Single mode SC
DS109-1GF1GT8T	8	1	1 ( SFP slot)

# DS6010-2GF8T

10-port managed Fast Ethernet switch with 8×10/100Base-T(X) ports and 2×1000Base-X port



- 8×10/100BaseT(X) 2×1000BaseFX
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lightning protections (6KV)
- Working temperature: -20℃ ~ 60℃
- WEB management, support VLAN, SNMP



## Introduction

DS6010-2GF8T is designed for bad and extreme outdoor environment, with 8 10/100Base-T(x) and 2 1000Base-FX. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of best choice for the video surveillance application.

It support IGMP snooping, VLAN, QoS, port mirroring, SNMP, RMON ect, ensure the network reliability and usability.

## Characteristic

- support VLAN;
- support static multicast, IGMP Snooping;
- support web management, SNMP;
- QoS (IEEE 802.1p and DSCP) and opposite priority;
- RMON improve the network monitor and predicative ability;
- Port mirroring and trunking;

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
 IEEE 802.3z 1000BaseFX  
 IEEE 802.3x  
 IEEE 802.1d-2004 STP  
 IEEE 802.1w RSTP  
 IEEE 802.1sRSTP  
 IEEE 802.1p Cos  
 IEEE 802.1qVLAN  
 SNMPv1, HTTP, STP, RSTP

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing: Metal, IP30 Protection  
 Dimensions: 290mm\*165mm\*45mm  
 Weight: 1200g  
 Installation: Desk / Wall mounting

### Environment

Operating Temperature: -20 ~ 60℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Qosline: 4  
 VLAN : 1-4094  
 VLAN-ID: 20 Switching bandwidth: 5.6Gbps  
 Packet Buffer Size : 1Mb  
 MAC Table size : 8K  
 Jumbo Frame Size : 9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

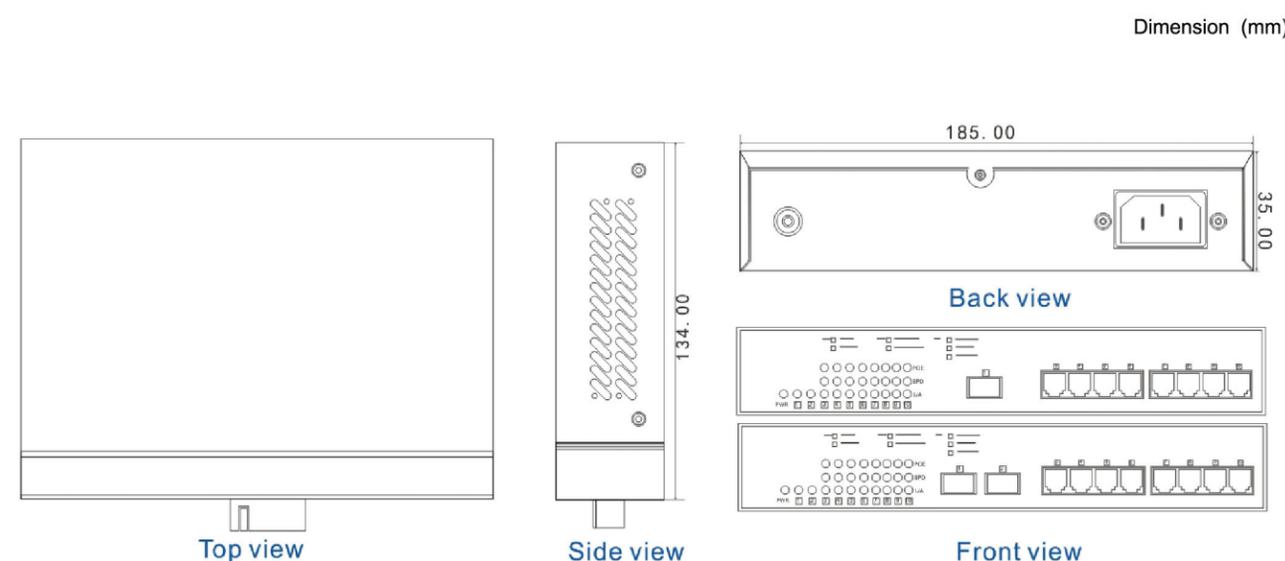
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi mode sc    Single mode SC
DS6010-2GF8T	8	—	2 ( SFP slot)

# CS1018-16F2GT

**18-port unmanaged Fast Ethernet switch**  
**With 16×100Base-FX, SFP socket ports and 2×10/100/1000Base-T(X) ports**



- 16×100Base-FX 2×10/100/1000Base-T(X)
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

CS1018-16F2GT is designed for bad and extreme outdoor environment, with 16 100Base-FX and 2 10/100/1000Base-T(x) ports. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of the best choices for the video surveillance application.

## Characteristic

- 5 X 10/100/1000Base-T(X) and 1 X 1000Base-FX;
- Working temperature: -20℃ ~ 60℃;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 440x310x 44 mm  
 Weight :2400g  
 Installation: Rack mount

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 7.2Gbps  
 Packet Buffer Size: 3Mb  
 MAC table size: 8K  
 Jumbo Frames: 9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

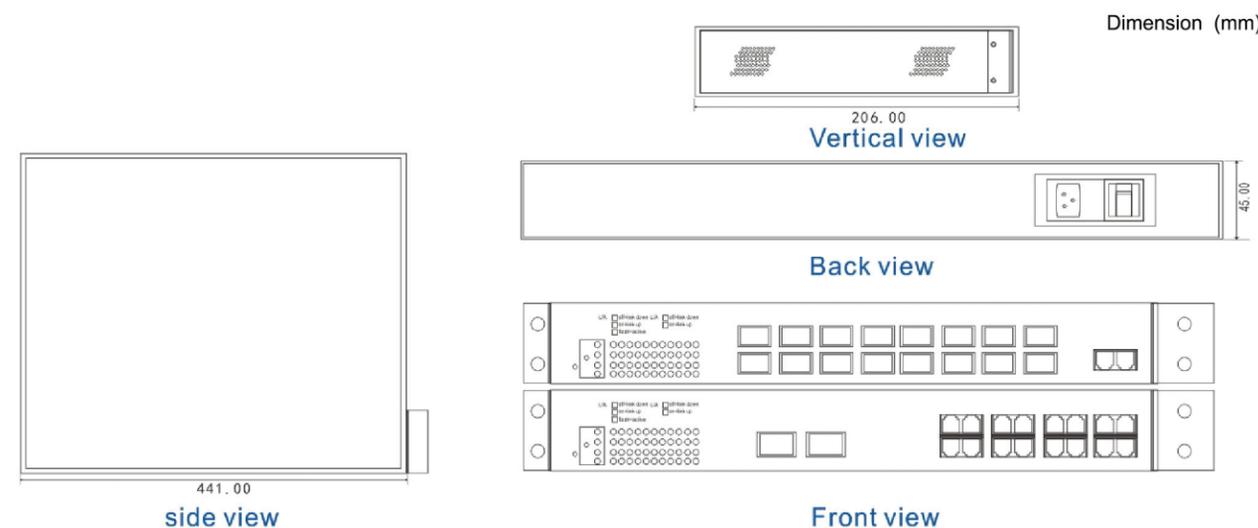
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	100BaseFX multi mode sc   Single mode SC
CS1018-16F2GT	—	2	16 (SFP slot)

# CS1018-2GF2GT16T

**18-port unmanaged Fast Ethernet switch**  
**With 16×10/100Base-T(X) ports and 2×Gigabit combo ports,SFP socket**



- 16×10/100Base-T(X)2×Gigabit combo ports
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell,Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃~60℃



## Introduction

CS1018-2GF2GT16T is designed for bad and extreme outdoor environment, with 16/10/100Base-T(x) and 2 Gigabit combo ports. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of the best choices for the video surveillance application.

## Characteristic

- 16×10/100Base-T(X)2×Gigabit combo ports;
- Working temperature: -20℃ ~ 60℃;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT ,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing :Metal, IP30 Protection  
 Size: 440x310x 44 mm  
 Weight :2400g  
 Installation: Rack mount

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth:7.2Gbps  
 Packet Buffer Size:2.75Mb  
 MAC table size:4K  
 Jumbo Frames:9.6K Bytes

## Interface

Fiber Ports:1000Mbps  
 RJ45 Port:10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator:PWR, Link/ACT, SPD

## Warranty

3 years

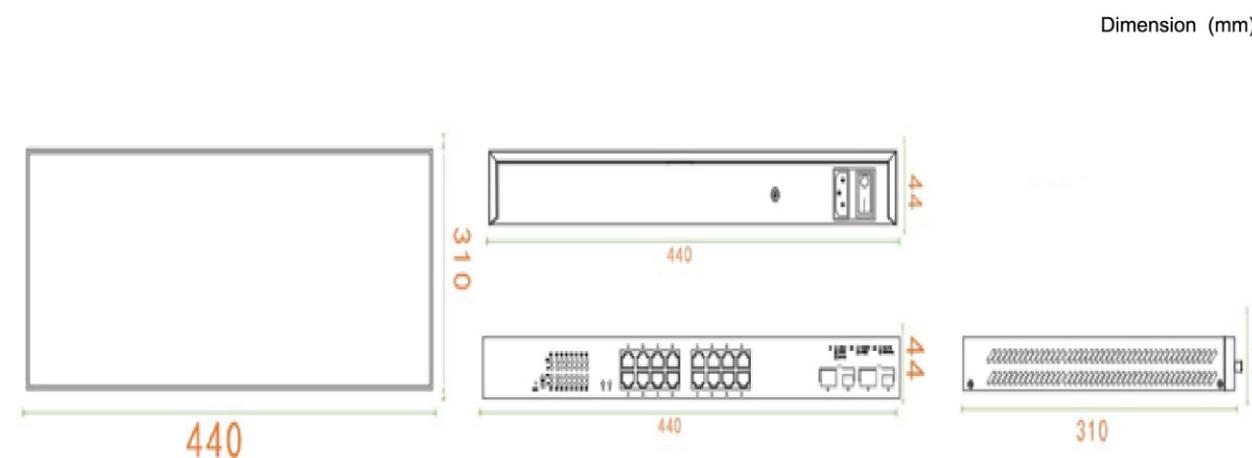
## Standards and certification

EMI:FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration:IEC60068-2-6  
 Shock:IEC60068-2-27  
 Freefall:IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi mode sc   Single mode SC
CS1018-2GF2GT16T	16	2	2 ( SFP slot)

# CS1026-2GF2GT24T

**26-port unmanaged Fast Ethernet switch**  
**With 24×10/100Base-T(X) ports and 2×Gigabit combo ports, SFP socket**



- 24×10/100Base-T(X) 2×Gigabit combo ports
- Support auto-negotiation and auto-MDI/MDI-X
- No fan, Metal shell, Internal power, 100~240V AC
- All port lighting protections (6KV)
- Working temperature: -20℃ ~ 60℃



## Introduction

CS1026-2GF2GT24T is designed for bad and extreme outdoor environment, with 24 10/100Base-T(x) and 2 Gigabit combo ports. It features 6KV lighting protection, -20℃ ~ 60℃ operating temperature. It is one of the best choices for the video surveillance application.

## Characteristic

- 24×10/100BaseT(X) and 2 Gigabit combo ports;
- Working temperature: -20℃ ~ 60℃;
- No fan, Metal shell, Internal power, 100~240V AC;
- EMC-4 compliant

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT,  
 IEEE 802.3u 100BaseT  
 IEEE 802.3ab 1000BaseT,  
 IEEE 802.3z 1000BaseFX

### Power Requirement

Input Voltage :100~240V AC  
 Input Current :Max 0.3A

### Physical Characteristics

Housing : Metal, IP30 Protection  
 Size: 440x310x44 mm  
 Weight : 2400g  
 Installation: Rack mount

### Environment

Operating Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Storage Temperature: -20 ~ 60 ℃ (-4 ~ 140°F)  
 Ambient Relative Humidity: 5 ~ 95% (non-condensing)

## Switch Property

Switching bandwidth: 7.2Gbps  
 Packet Buffer Size: 2.75Mb  
 MAC table size: 4K  
 Jumbo Frames: 9.6K Bytes

## Interface

Fiber Ports: 1000Mbps  
 RJ45 Port: 10/100Mbps, Full/Half duplex, MDI/MDI-X  
 LED Indicator: PWR, Link/ACT, SPD

## Warranty

3 years

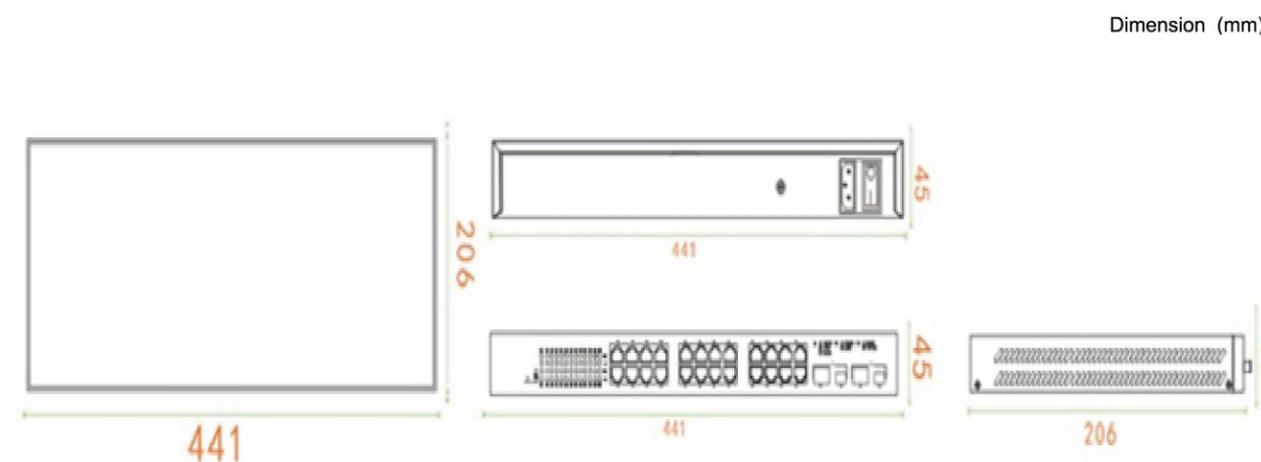
## Standards and certification

EMI: FCC Part 15/CISPR22 (EN55022) : Class A  
 EMS:  
 IEC61000-4-2 (ESD) 4, IEC 61000-4-3 (RS) 3, IEC 61000-4-4 (EFT) 4, IEC 61000-4-5 (Surge) 4, IEC 61000-4-6 (CS) 3  
 Vibration: IEC60068-2-6  
 Shock: IEC60068-2-27  
 Freefall: IEC60068-2-32

## MTBF

500000h

## Dimension



## Order information

Model	Interface		
	10/100BaseT	10/100/1000BaseT	1000BaseFX multi mode sc    Single mode SC
CS1026-2GF2GT24T	24	2	2 (SFP slot)

# SFP modules

Product description	P/N	Data Rate (Gbit/s)	TX	RX	TX (dBm)		Rx Sensitivity (dBm)	Power Consumption	Reach	Temperature (°C)
					Min	Max				
<b>Industrial SFP modules</b>										
Industrial Gigabit Ethernet SFP modules	WTPD-G39-02A	1.25	1310nm FP	PIN	-9	-1	-19	<1w	2km	-40~85°C
	WTPD-G39-20A	1.25	1310nm FP	PIN	-8	-2	-23	<1w	20 km	-40~85°C
	WTPD-G59-40A	1.25	1550nm DFP	PIN	-5	0	-24	<1.5w	40 km	-40~85°C
	WTPD-G5D9-80A	1.25	1550nm DFP	PIN	0	5	-24	<1.5w	80 km	-40~85°C
Industrial Gigabit Ethernet BIDI-SFP modules	WTPS-G35-03A	1.25	1310nm FP	1550nm	-9	-3	-21	<1w	3km	-40~85°C
	WTPS-G53-03A	1.25	1550nm DFP	1310nm	-9	-3	-21	<1w	3km	-40~85°C
	WTPS-G35-20A	1.25	1310nm FP	1550nm	-8	-2	-22	<1w	20 km	-40~85°C
	WTPS-G5D3-20A	1.25	1550nm DFP	1310nm	-8	-2	-22	<1w	20 km	-40~85°C
	WTPS-G35-40A	1.25	1310nm FP	1550nm	-5	0	-23	<1.5w	40 km	-40~85°C
	WTPS-G5D3-40A	1.25	1550nm DFP	1310nm	-5	0	-23	<1.5w	40 km	-40~85°C
	WTPS-G5D4-80A	1.25	1550nm DFP	1490nm	-2	5	-24	<1.5w	80 km	-40~85°C
	WTPS-G4D5-80A	1.25	1490nm DFP	1550nm	-2	5	-24	<1.5w	80 km	-40~85°C
<b>SFP+ modules</b>										
SFP+	WT-SFP+SR	10	850nm VCSEL	PIN	-6.5	-1	-11.1	<1.5w	300m	0~70°C
	WT-SFP+LR	10	1310nm DFP	PIN	-8.2	0.5	-14.4	<1.5w	10 km	0~70°C
	WT-SFP+ER	10	1550nm EML	PIN	-3	3	-15.8	<1.5w	40 km	0~70°C
	WT-SFP+ZR	10	1550nm EML	PIN	0	4	-24	<1.5w	80 km	0~70°C
SFP+ BIDI	WT-SFP+BD-10L	10	DFP	PIN	-5.2	0.5	-14.4	<1.5w	20 km	0~70°C
	WT-SFP+BD-40L	10	DFP	PIN	0	5	-18	<1.5w	40 km	0~70°C
	WT-SFP+BD-60L	10	DFP	APD	0	5	-22	<1.5w	60 km	0~70°C
SFP+ CWDM	WT-SFP+CWDM-10L	10	DFP	PIN	-1	3	-15	<1.5w	10 km	0~70°C
	WT-SFP+CWDM-40L	10	DML	PIN	0	4	-16.4	<1.5w	40 km	0~70°C
SFP+ DWDM	WT-SFP+CWDM-80L	10	DML	APD	0	4	-24	<1.5w	80 km	0~70°C
	WT-SFP+DWDM-40L	10	EML	PIN	-3	3	-16.4	<1.5w	40 km	0~70°C
SFP+ DWDM	WT-SFP+DWDM-80L	10	EML	APD	0	4	-24	<1.5w	80 km	0~70°C
	<b>SFP+ modules</b>									
QSFP+	WT-QSFP+SR4	40	850nm VCSEL	PIN	-7.6	1	-9.5	<1w	100 km	0~70°C
	WT-QSFP+IR4	40	DFP CWDM	PIN	-7	2.3	-11.7	<3.5w	2km	0~70°C
	WT-QSFP+LR4	40	DFP CWDM	PIN	-7	2.3	-13.7	<3.5w	10 km	0~70°C

# WT-8110

Ethernet to fiber media converter with 1x10/100Base-T(X) to 1x100Base-FX



- 1x10/100BaseT(X) 1x100BaseFX
- Support auto negotiation, automatic MDI/MDIX
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance
- 0°C~70°C operating temperature range



## Introduction

WT8110is designed to converter 10/100MBaseT signals to/from 100Base-FX fiber signals.

It can extend the transmission distance to several kilometer or hundred kilometer. Using media converter is an economical solution to achieve long distance transmission based on current status.

## Characteristic

- 1x10/100/1000BaseT(X) and 1x1000BaseFX;
- 0 ~ 75 °C operating temperature;
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance

- a.50/125um,800 MHz\*kmopticalfiber cable
- b. 62.5/125 um,500MHz\*km fiber cable
- c.9/125umsingle mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseT and  
IEEE 802.3u 100BaseFX

### Port

Fiber Ports:100Mbps (SC)  
RJ45 Port:10/100Mbps, Full/Halfduplex,MDI/MDI-X  
LEDLight:PWR,L/A,SPD

### Power Requirement

Input Voltage :5V DC  
Input Current :1A

### Standard and certificate

EMC:FCC Part 15  
MTBF Time :>3years  
Warranty Warranty period:3year

### Physical Characteristics

Housing : Metal, IP30Protection  
Size: 95×70×26mm  
Weight :200g  
Installation:Desk / Wall mounting

### Environment

Operating temperature:0 ~ 70°C(32 ~ 158°F)  
Storage temperature:-20 ~ 85°C(-4 ~ 185°F)  
Ambient relative humidity:5 ~ 95% (non-condensing)

### Package list

- Media converter
- Power
- User manual
- Warranty card

# WT-8110G

Ethernet to fiber media converter with 1×10/100/1000Base-T(X) to 1×1000Base-FX



- It can extend the transmission distance to several kilometer or hundred kilometer. Using media converter is an economical solution to achieve long distance transmission based on current status.



## Introduction

WT8110G is designed to converter 10/100/1000MBaseT signals to/from 1000Base-FX fiber signals.

It can extend the transmission distance to several kilometer or hundred kilometer. Using media converter is an economical solution to achieve long distance transmission based on current status.

## Characteristic

- 1x10/100/1000BaseT(X) and 1x1000BaseFX;
- 0 ~ 75 °C operating temperature;
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT  
IEEE 802.3z 1000BaseFX

### Port

Fiber Ports: 1000Mbps (SC)  
RJ45 Port: 10/100/1000Mbps, Full/Halfduplex, MDI/MDI-X  
LED Light: PWR, L/A, SPD

### Power Requirement

Input Voltage : 5V DC  
Input Current : 1A

### Standard and certificate

EMC: FCC Part 15  
MTBF Time : >3years  
Warranty Warranty period: 3year

### Physical Characteristics

Housing : Metal, IP30 Protection  
Size: 95×70×26mm  
Weight : 200g  
Installation: Desk / Wall mounting

### Environment

Operating temperature: 0 ~ 70°C (32 ~ 158°F)  
Storage temperature: -20 ~ 85°C (-4 ~ 185°F)  
Ambient relative humidity: 5 ~ 95% (non-condensing)

### Package list

- Media converter
- Power
- User manual
- Warranty card

# WT-8110G-AT

PoE Ethernet to fiber media converter with 1×10/100/1000Base-T(X) P.S.E. port to 1×1000Base-FX



- 1×10/100/1000BaseT(X) 1×1000BaseFX
- Support P.S.E. based on IEEE802.3af/IEEE802.3at standard, up to 30Watts per port
- Support auto negotiation, automatic MDI/MDIX
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance
- 0°C ~ 70°C operating temperature range



## Introduction

WT8110G-AT is designed to converter 10/100/1000MBaseT signals to/from 1000Base-FX fiber signals.

It can extend the transmission distance to several kilometer or hundred kilometer. Using media converter is an economical solution to achieve long distance transmission based on current status.

## Characteristic

- 1x10/100/1000BaseT(X) and 1x1000BaseFX;
- 0 ~ 75 °C operating temperature;
- Supports link fault pass through function (LFP)
- Up to 120 km transmission distance

- a. 50/125um, 800 MHz\*km optical fiber cable
- b. 62.5/125 um, 500MHz\*km fiber cable
- c. 9/125um single mode fiber cable

	100BaseFX	
	Multi mode	Single mode
wave length	850nm	1310/1550nm
max power	-3dBm	0dBm
min power	-8dBm	-10dBm
sensitivity	-19dBm	-32dBm
link budget	11dB	22dB
distance	2Km <sup>a</sup> 550m <sup>b</sup>	40Km <sup>c</sup>
saturability	-6dBm	-3dBm

## Specification

### Standards

IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT  
IEEE 802.3ab 1000BaseT, IEEE 802.3z 1000BaseFX  
IEEE 802.3af/IEEE 802.3at

### Port

Fiber Ports: 1000Mbps (SC)  
RJ45 Port: 10/100/1000Mbps, Full/Halfduplex, MDI/MDI-X  
LED Light: PWR, L/A, SPD, POE

### Power Requirement

Input Voltage : 56V DC  
Input Current : Max 0.5A

### Standard and certificate

EMC: FCC Part 15  
MTBF Time : >3years  
Warranty Warranty period: 3year

### Physical Characteristics

Housing : Metal, IP30 Protection  
Size: 95×70×26mm  
Weight : 200g  
Installation: Desk / Wall mounting

### Environment

Operating temperature: 0 ~ 70°C (32 ~ 158°F)  
Storage temperature: -20 ~ 85°C (-4 ~ 185°F)  
Ambient relative humidity: 5 ~ 95% (non-condensing)

### Package list

- Media converter
- Power
- User manual
- Warranty card

# WT-816

media converter chassis , with 14 or 16 slot



- 14 or 16 slot
- Manage media converter with 19-inch rack-mountable 2U chassis
- Power backup (dual power supply) featured with two power chassis
- Highly modularized chassis design
- 0°C~70°C operating temperature range



## Introduction

WT-816 is designed to supply several media converters with power, which will simplify the links and structure.

It can work stably and adapt a broad width of voltage. It can store strong power and can be operated and managed easily.

## Characteristic

- 14 or 16 slot;
- 0 ~ 70°C operating temperature;
- Power backup (dual power supply) featured with two power chassis
- Highly modularized chassis design

## Specification

### Standards

IEEE 802.3 10BaseT  
 IEEE 802.3u 100BaseT and IEEE 802.3u 100BaseFX  
 IEEE 802.3ab 1000BaseT IEEE 802.3z 1000BaseFX

### Port

14 slots chassis : 10/100M or 1000M or 10/100/1000M stand-alone media converters  
 16 slots chassis : 10/100M card-type media converters  
 LED Light: PWR, L/A, SPD

### Power Requirement

Power in : AC 100~260 V , or, DC 48V  
 Power out : DC 5V, 12A  
 Diameter of DC plug : 2.5/5.5 mm  
 Protection of power supply: circuit-breaker when overvoltage;  
 circuit-breaker when overflow ; circuit-breaker when short circuit

### Warranty

Warranty period: 3 year

### Physical Characteristics

Housing : Metal, IP30 Protection  
 Size: 485\*231\*90 mm  
 Weight : N/A  
 Installation: Rack-mount

### Environment

Operating temperature: 0 ~ 70°C (32 ~ 158°F)  
 Storage temperature: -20 ~ 85°C (-4 ~ 185°F)  
 Ambient relative humidity: 5 ~ 95% (non-condensing)

### Standard and certificate

EMC: FCC Part 15  
 MTBF Time : >3 years  
 Warranty: Warranty period: 3 year

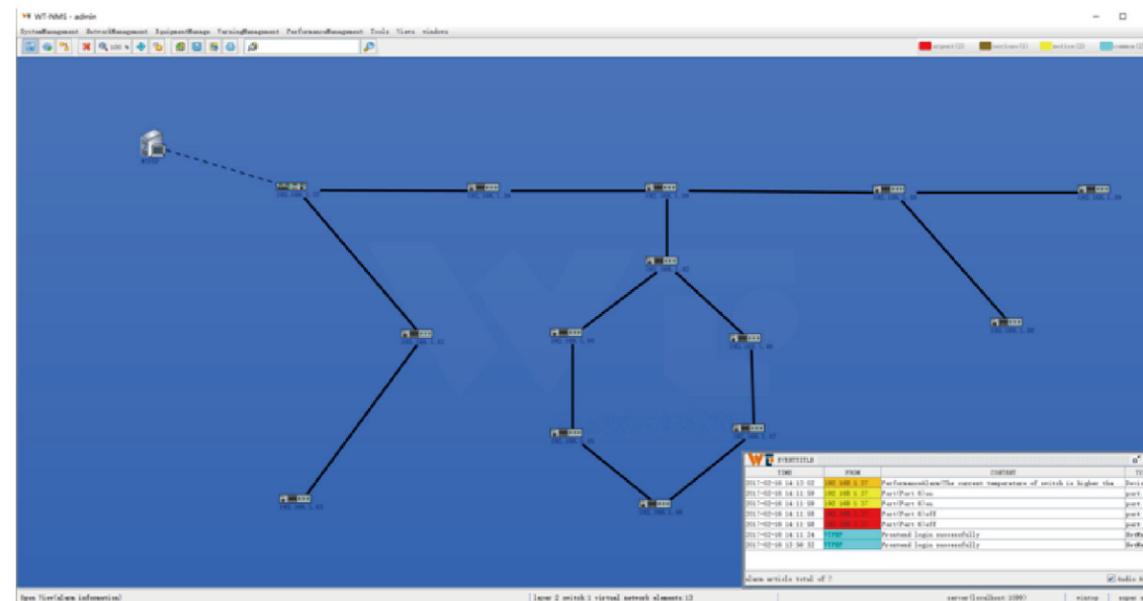
### Package list

- Media converter
- Power
- User manual
- Warranty card

## WTNMS Network Management Software

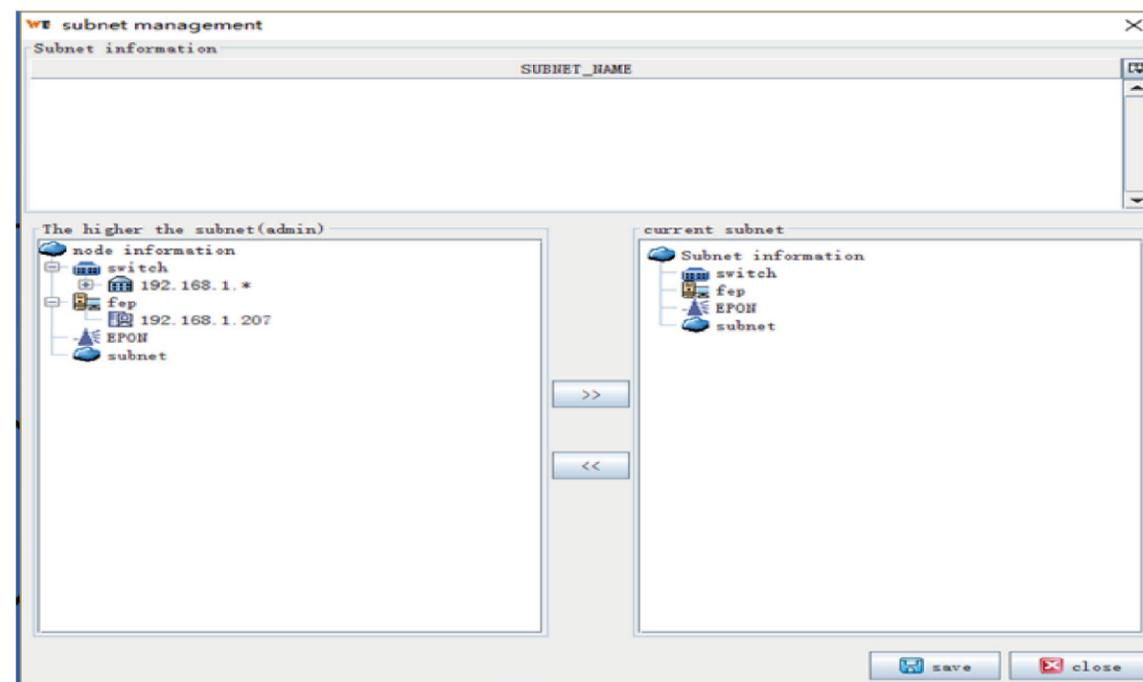
### 1. Automatic Topology Discovery

The principle of network layer topology discovery is to combine methods of ICMP and SNMP to check the activities of the specified network equipment and get all the active equipment. And then get the basic information of the device through SNMP and according to the basic information to determine the type of equipment. Finally, according to the type of equipment get detailed information about the device. The network management system is based on SNMP network topology discovery method.



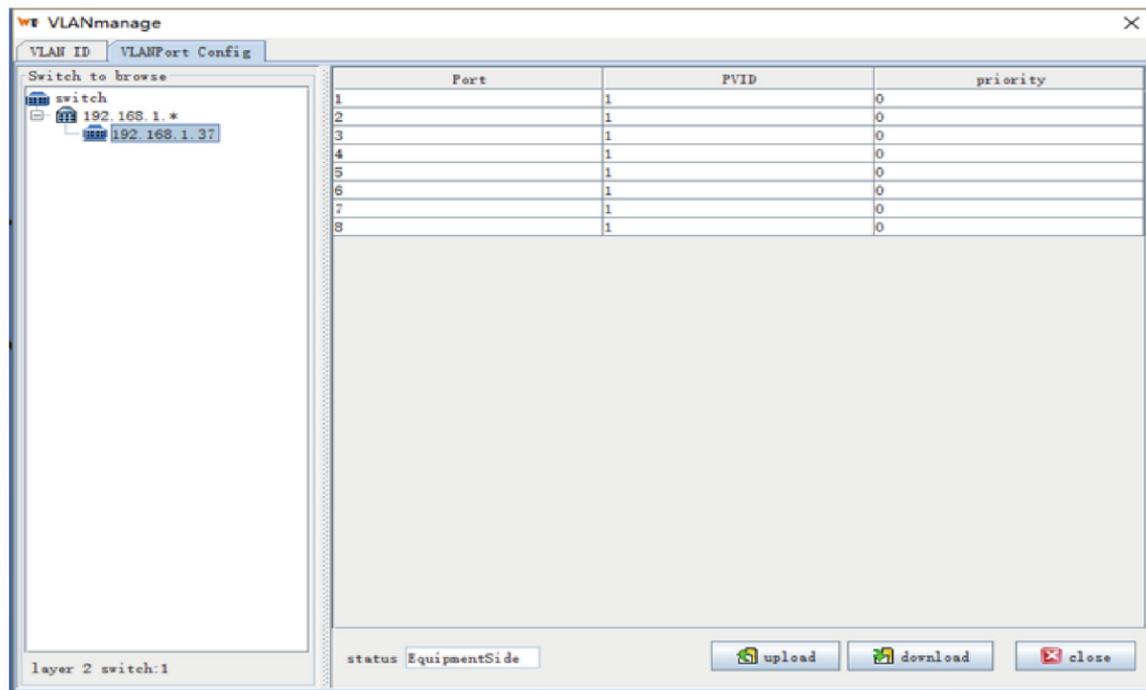
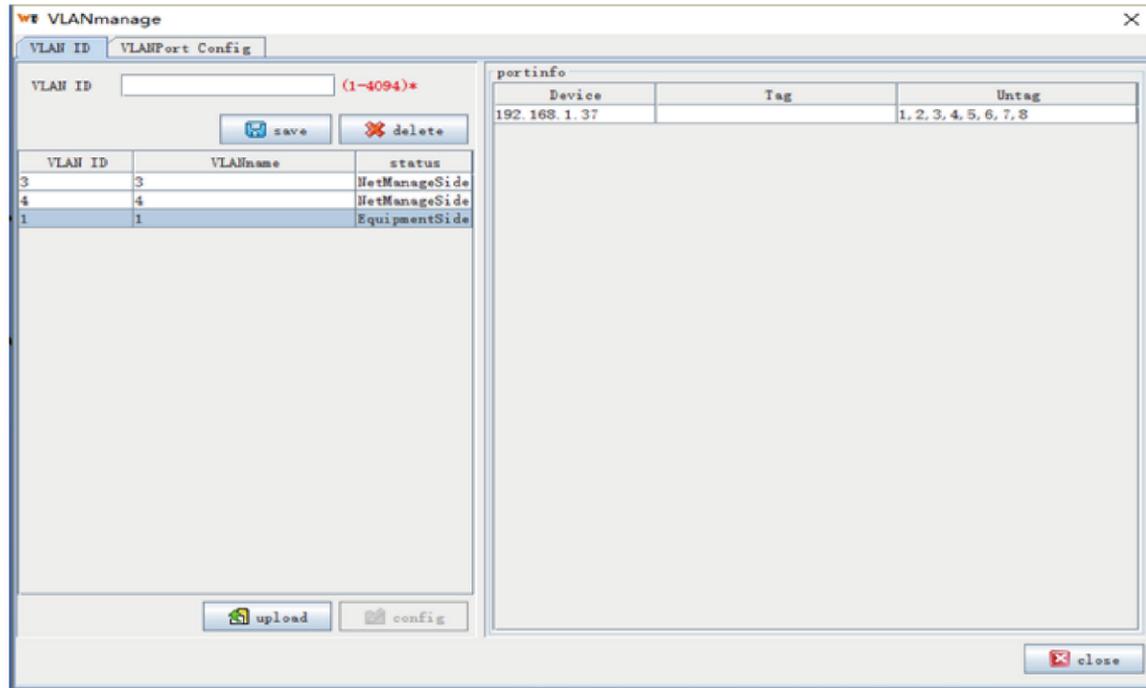
### 2. Subnet management

In the WTNMS integrated network management system, the subnet is only a logical concept. It is different from the traditional subnet which divides the subnet through subnet mask. Through subnet management, you can make it easier for administrators to manage the devices in the network topology.



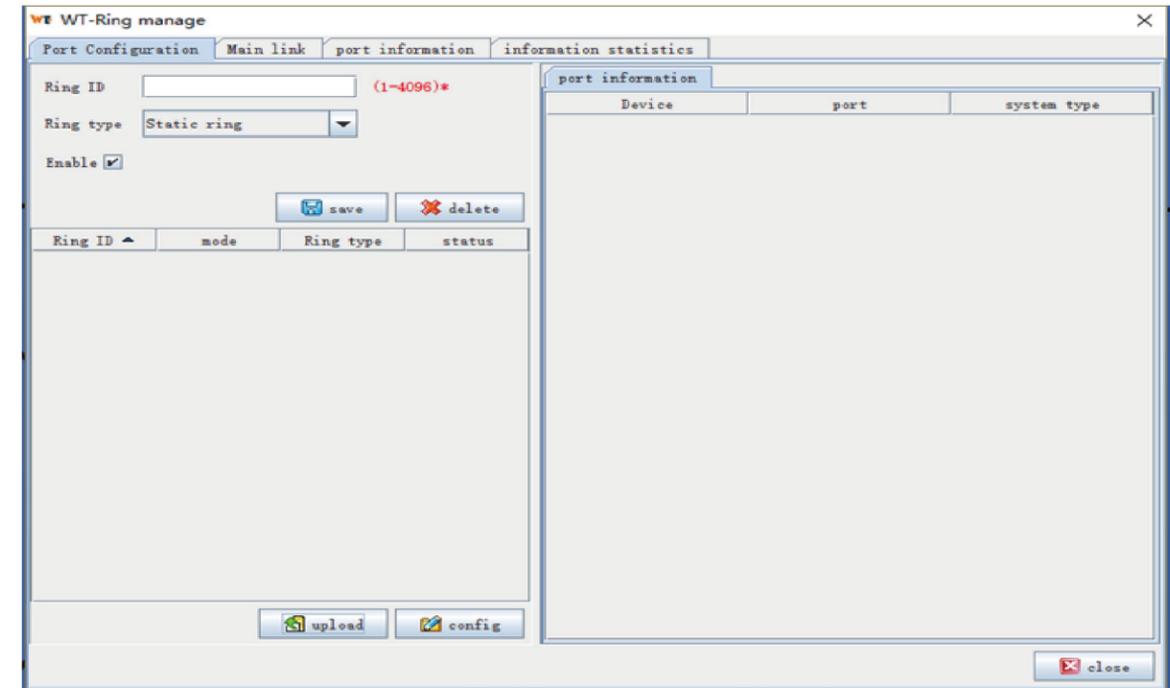
### 3.Layer TwoVLAN Management

VLAN (Virtual Local Area Network) refers to the end-to-end logical network that can be built across the different network segments or different networks on the basis of the local area network from the switch. The main purpose is to solve the problem that the switches in the LAN cannot limit the broadcast. This can be achieved by configuring the two modules of the Layer 2 switch with VLAN and the configuration of the two modules.



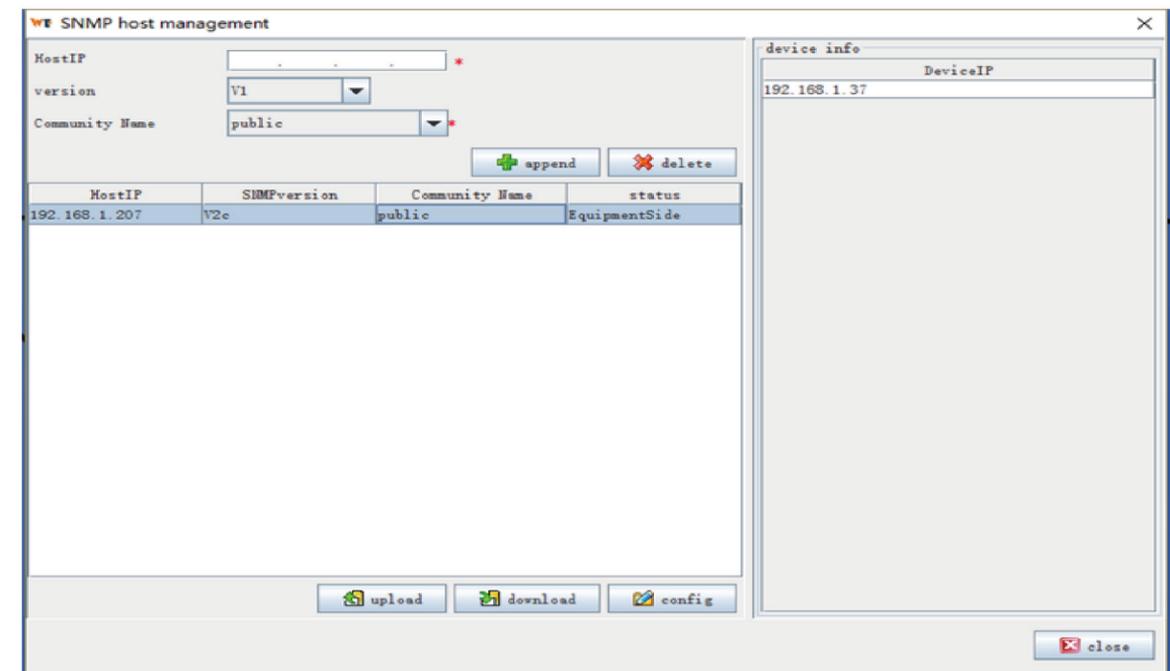
### 4.WT-Ring Management

The WT-Ring physically corresponds to a ring-connected Ethernet topology whose role is determined by the configuration of the user. Implementation of WT-Ring can ensure that the ring network node communication is not interrupted.



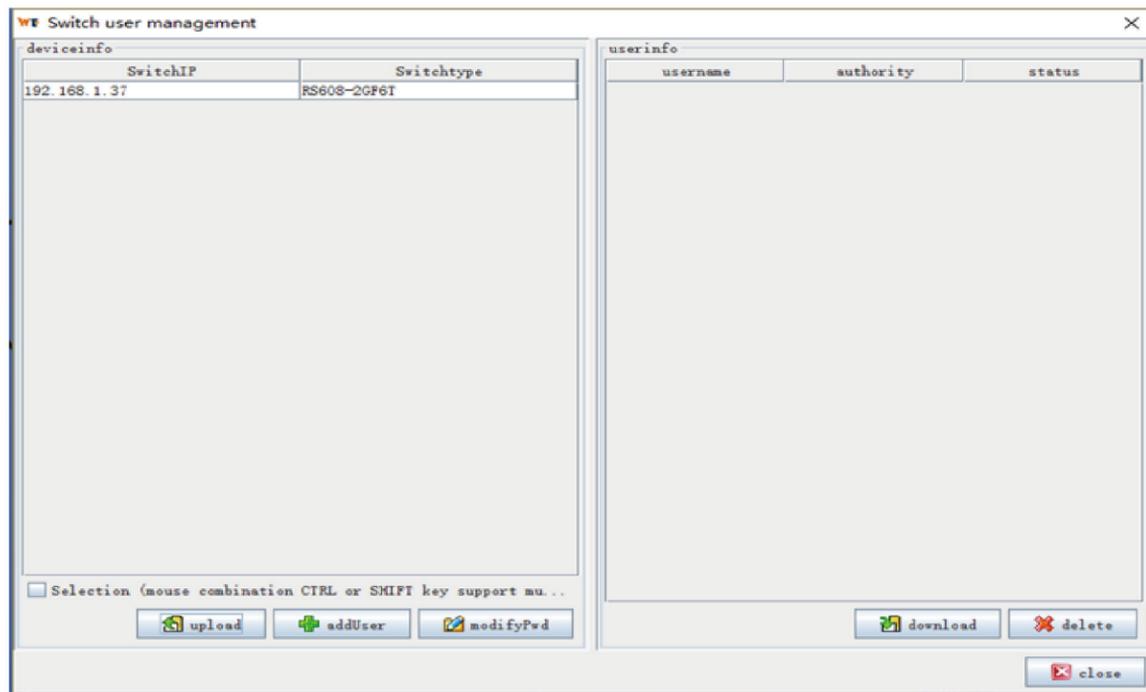
### 5.SNMP Management

SNMP (Simple Network Management Protocol) is used to ensure that the management information is transmitted between any two points in the network. It is convenient for the network administrator to carry out information retrieval, information modification, fault location and fault diagnosis on any node on the network and perform capacity planning and generate reports.



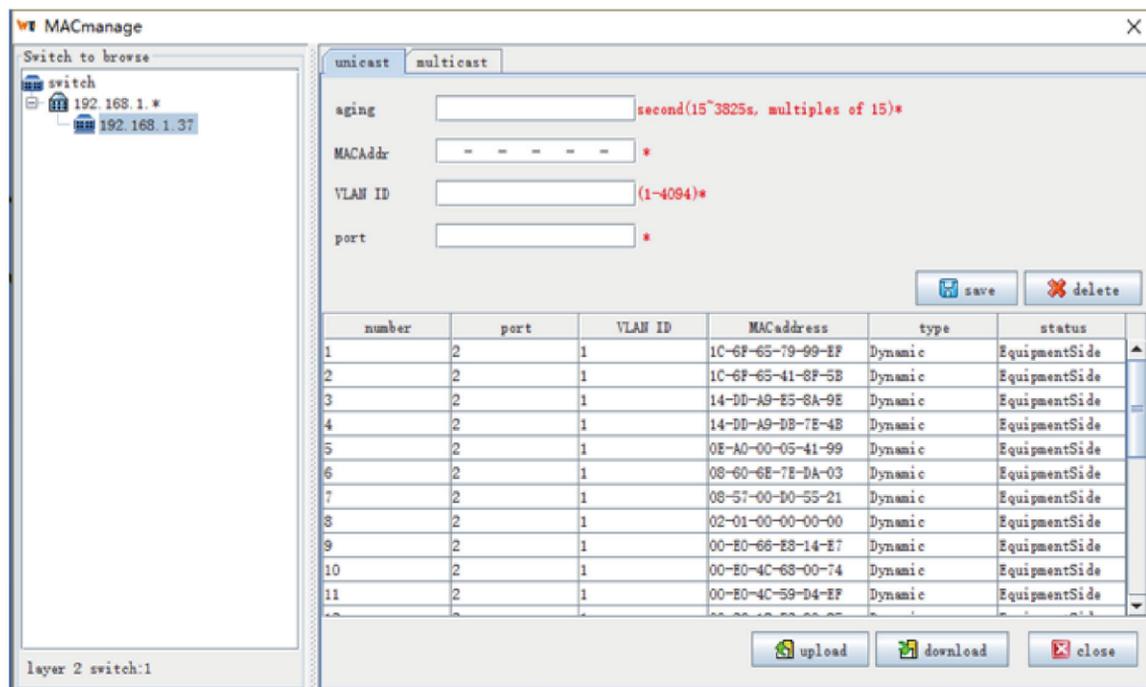
### 6.Switch User Management

Switch user management is used to manage the switch web system to access the user. By using the switch user management module can be quickly and easily added, delete the switch web system to access the user and modify the user's password.



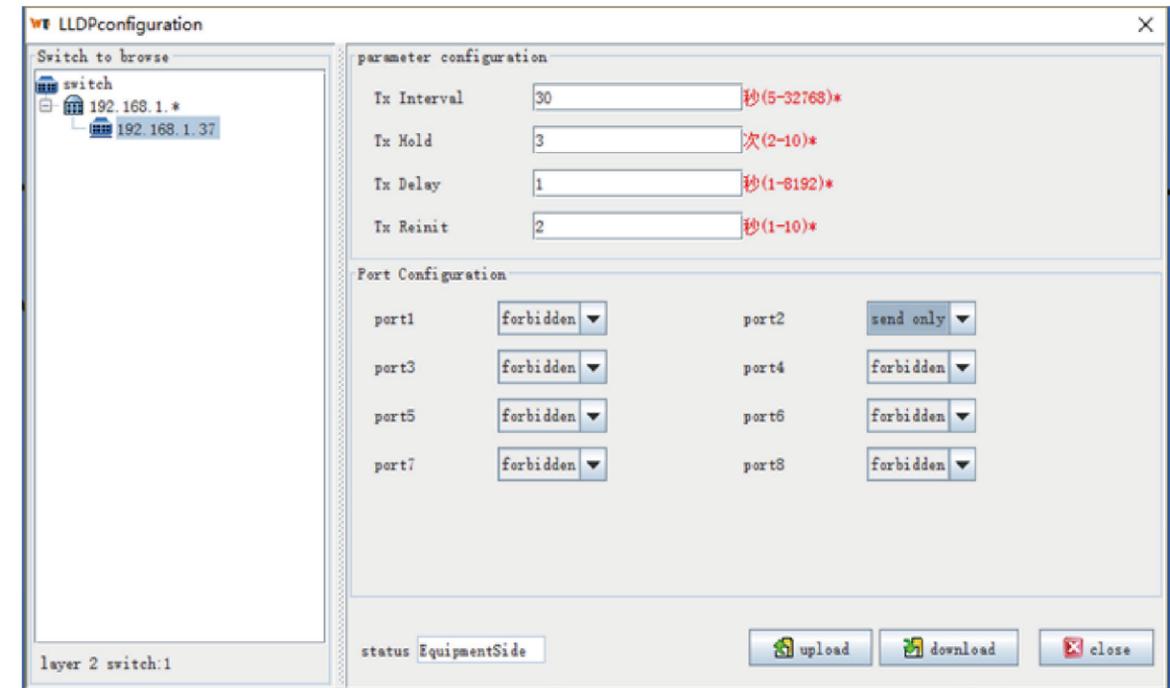
### 7.MAC Management

MAC (Medium / Media Access Control) address, or the MAC address, the hardware address, used to define the location of network equipment. In the OSI model, the Layer 3 network layer is responsible for the IP address, and the layer 2 data link layer is responsible for the MAC address. So a host will have an IP address, and each network location will have a dedicated MAC address. In the MAC management of WTNMS integrated network management system, it is convenient and quick to realize unicast and multicast configuration of switch communication mode.



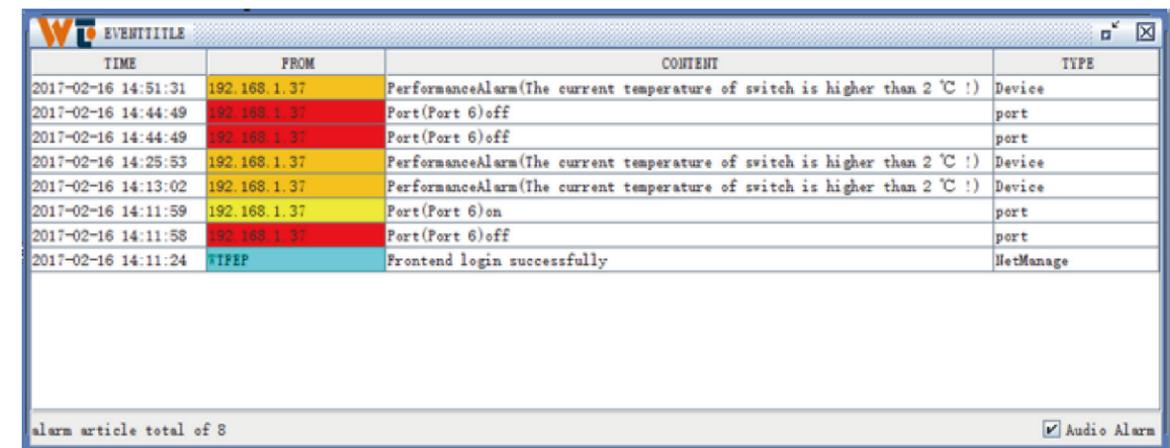
### 8.LLDP Management

Link Layer Discovery Protocol (LLDP) is a new protocol defined in 802.1ab that allows neighboring devices to send notifications of their status information to other devices, and each port on each device stores itself, and if necessary, the updated information can be sent to the neighboring devices directly connected to them, and the neighbor's device stores the information in the standard SNMP MIBs.



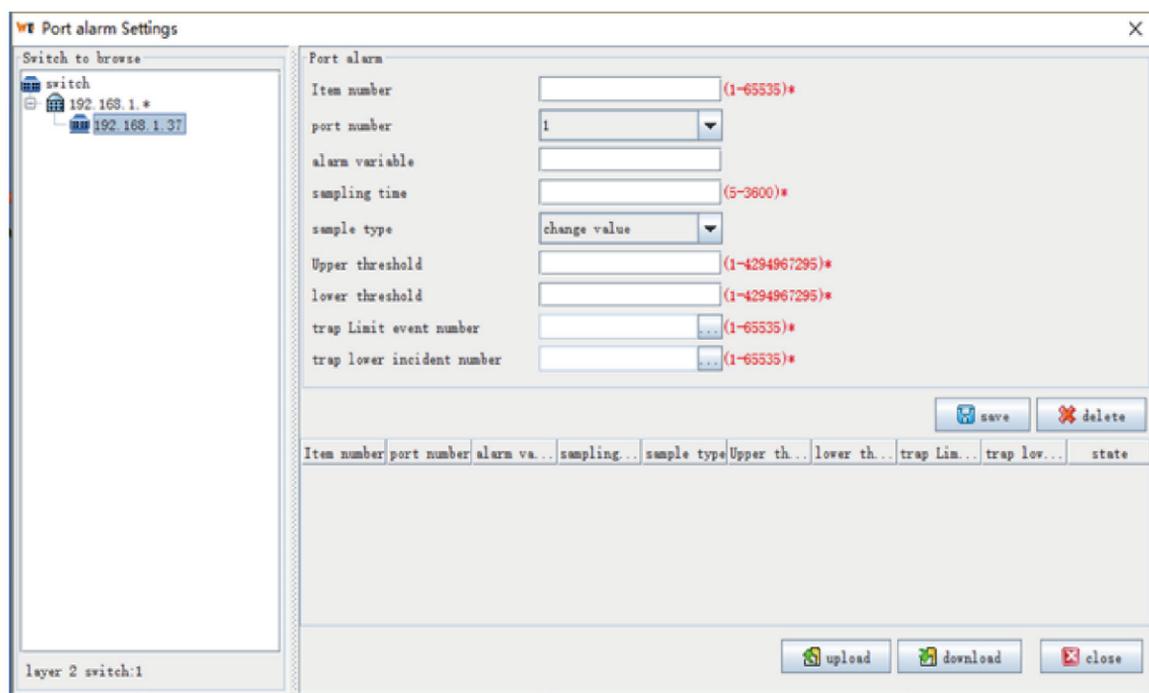
### 9.Event Notification Table

Displays the alarm information received by the system.



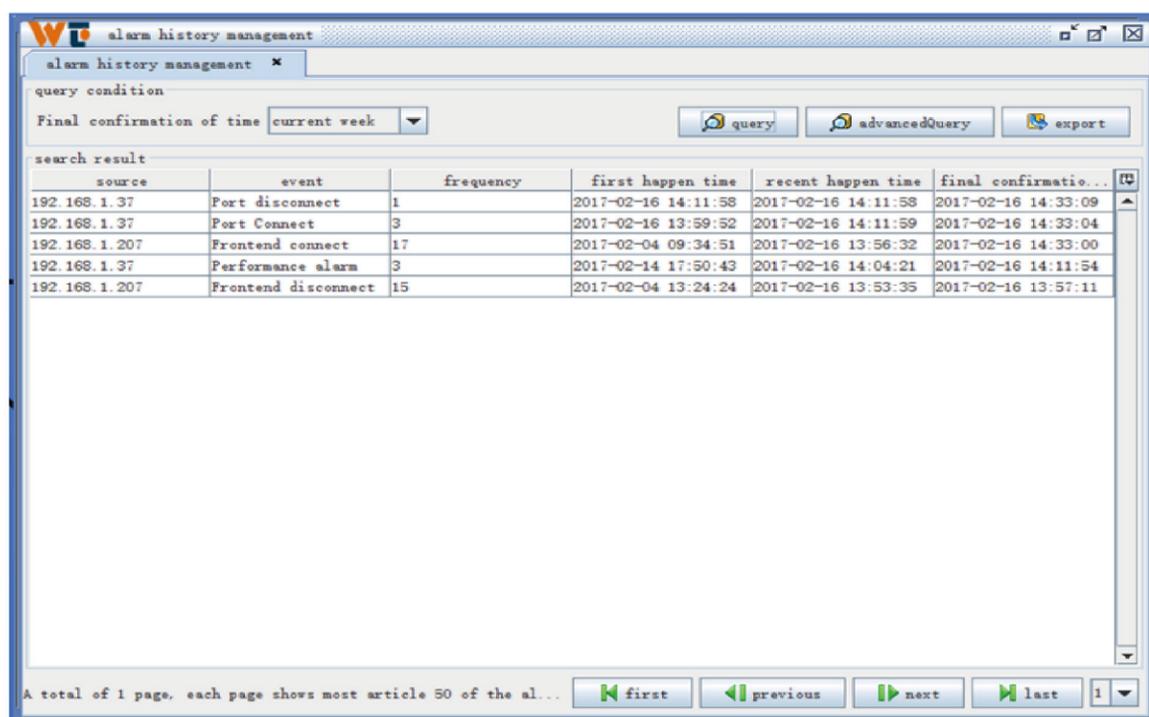
### 10.Port Alarm Configuration

SNMP Trap is part of SNMP. When a specific event occurs on the monitored port, such as port disconnection and abnormal traffic, the device automatically sends out alarm information to the system. Through the alarm event, the administrator can handle the alarm through the defined method. The trap number is configured to monitor port traffic.

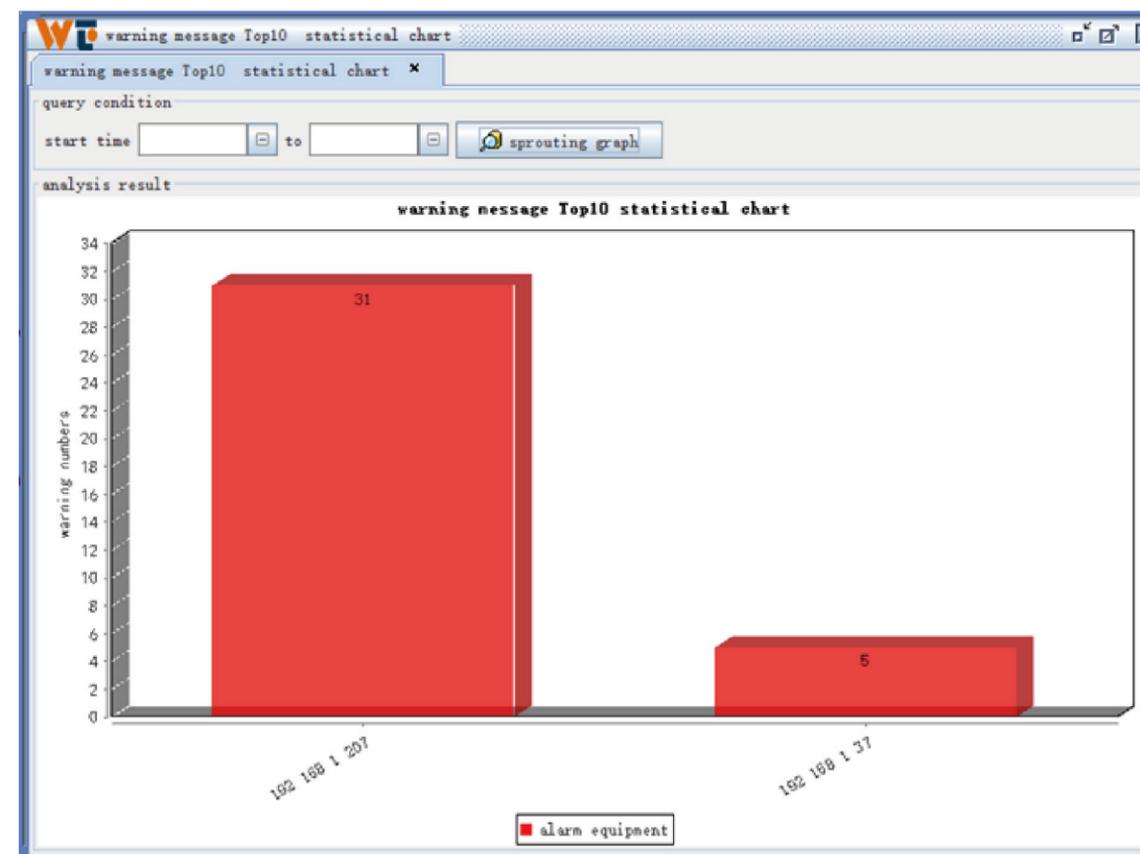
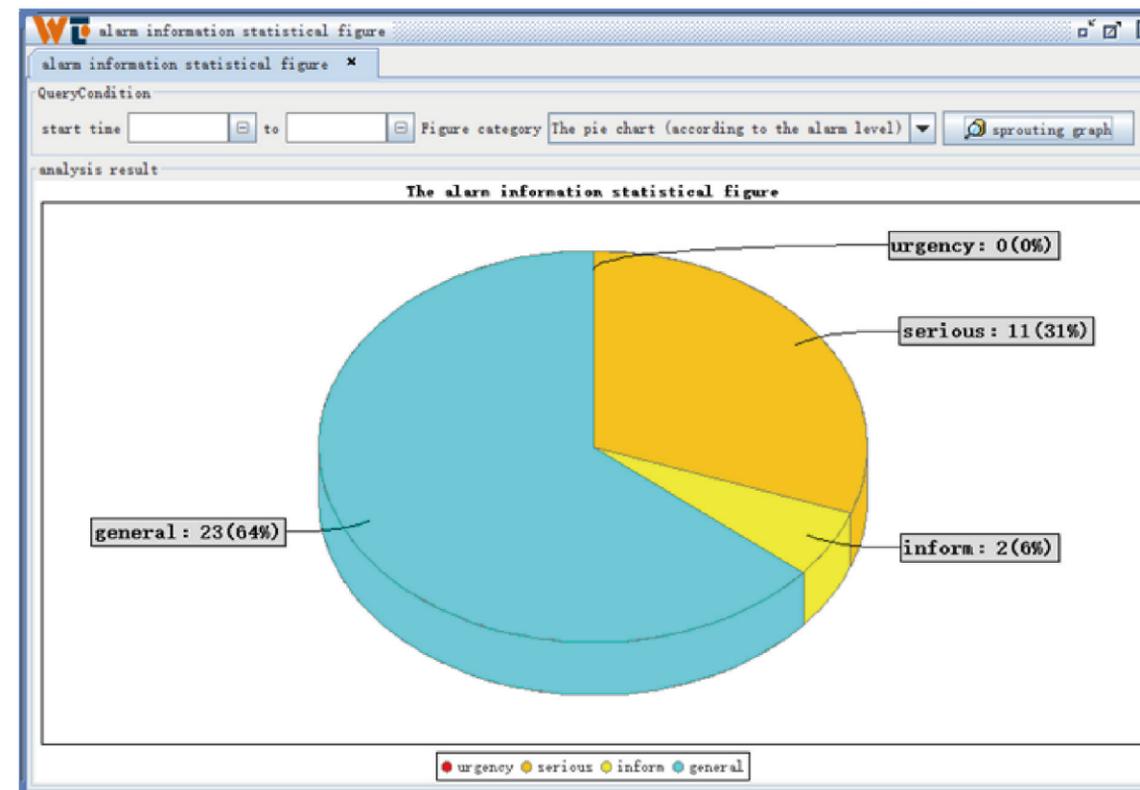


### 11.Alarm History Query

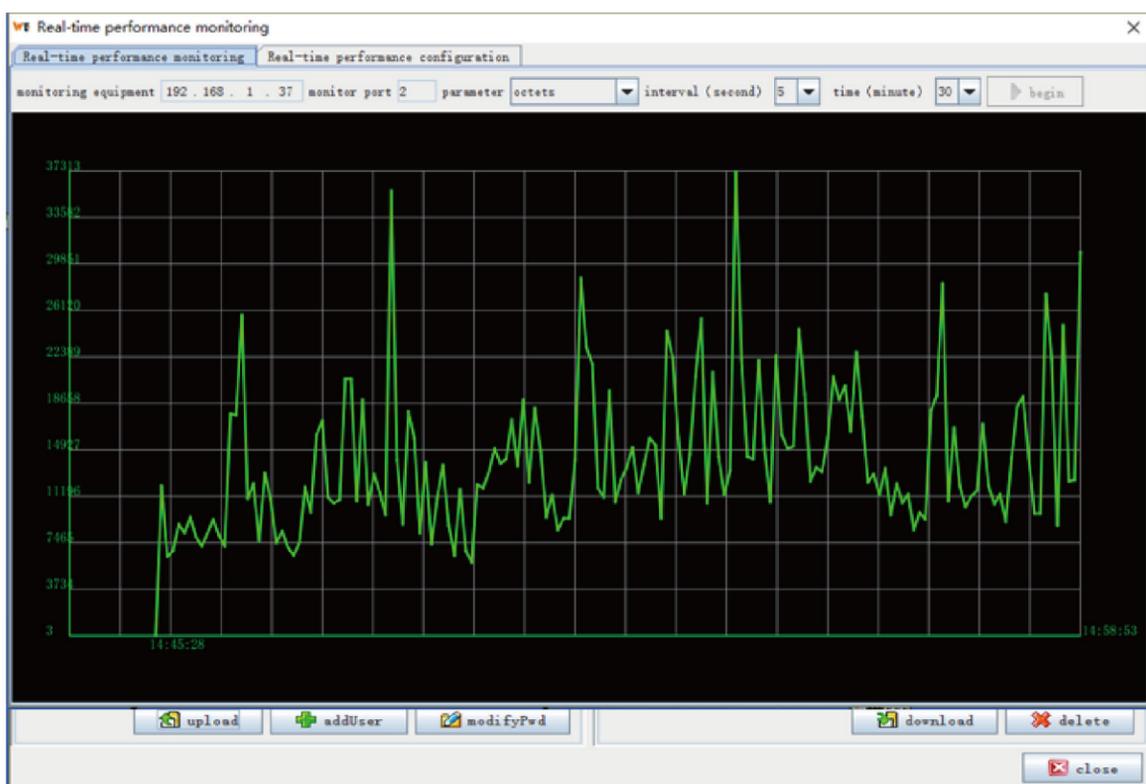
After the alarm information is acknowledged, the alarm information is saved to the history alarm information.



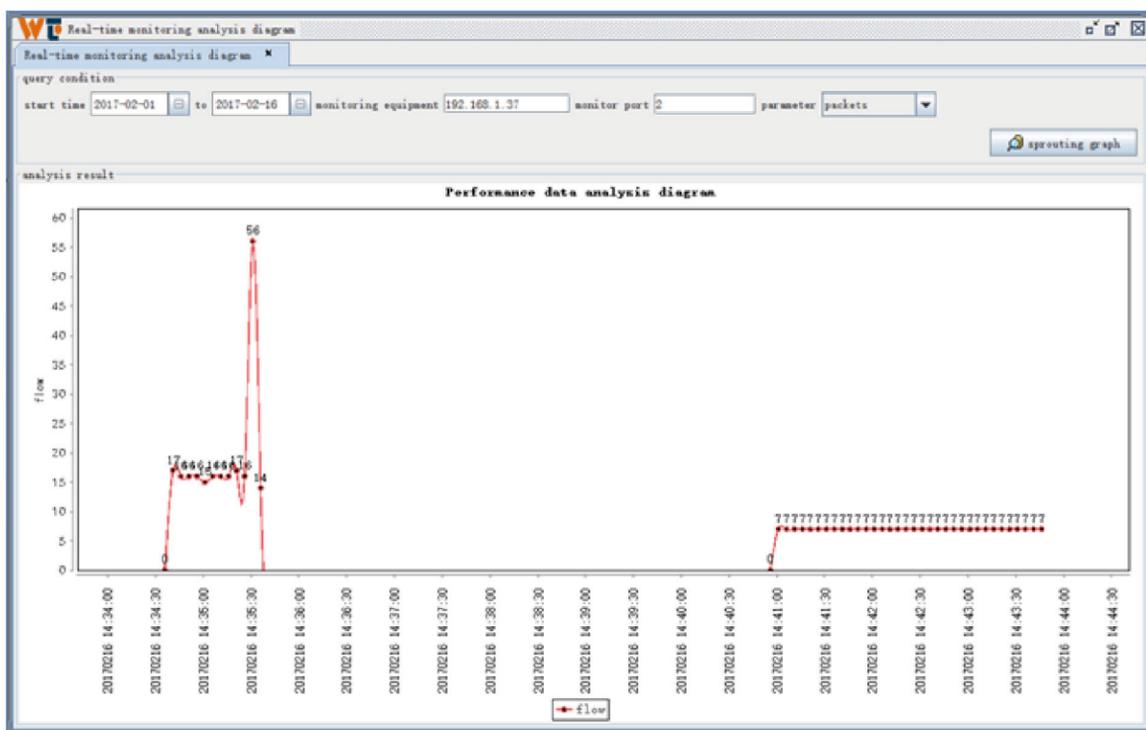
### 12.Alarm Information Statistics



### 13. Real-time Performance Monitoring



### 14. Real-time Monitoring Analysis



### 15. Monitoring Report Regularly

The screenshot shows a window titled 'Real-time monitoring report'. It has a 'query condition' section with 'start time', 'to', 'monitoring equipment', and 'monitor port' fields, and 'export' and 'query' buttons. The main area is a table with the following columns: TIME, EQUIPMENT, PORT, PARAM, and VALUE. The table contains 14 rows of data. At the bottom, there is a pagination bar showing 'total of 14 page, each page shows most 16 performance monit...' and navigation buttons: 'first', 'previous', 'next', 'last', and a page number '1'.

TIME	EQUIPMENT	PORT	PARAM	VALUE
2017-02-16 14:59:08	192.168.1.37	2	octets	8937
2017-02-16 14:59:03	192.168.1.37	2	octets	11896
2017-02-16 14:58:58	192.168.1.37	2	octets	24593
2017-02-16 14:58:53	192.168.1.37	2	octets	30825
2017-02-16 14:58:48	192.168.1.37	2	octets	12898
2017-02-16 14:58:43	192.168.1.37	2	octets	12862
2017-02-16 14:58:38	192.168.1.37	2	octets	25079
2017-02-16 14:58:33	192.168.1.37	2	octets	9413
2017-02-16 14:58:28	192.168.1.37	2	octets	22440
2017-02-16 14:58:23	192.168.1.37	2	octets	27600
2017-02-16 14:58:18	192.168.1.37	2	octets	10250
2017-02-16 14:58:13	192.168.1.37	2	octets	10276
2017-02-16 14:58:08	192.168.1.37	2	octets	14681
2017-02-16 14:58:03	192.168.1.37	2	octets	19486
2017-02-16 14:57:58	192.168.1.37	2	octets	18741
2017-02-16 14:57:53	192.168.1.37	2	octets	14697

### 16. User Management

WTNMS integrated network management system has three default users, including super administrators, regional administrators and users. In the system, you can add a zone administrator and an ordinary user to the system in this function module.

The screenshot shows a window titled 'UserManagement'. It has a 'query' button and a 'user navigation' tree on the left with nodes for 'super user', 'admin', and 'user'. The main area is divided into 'User information' and 'manage device' tabs. Under 'User information', there are buttons for 'append', 'modify', and 'delete'. The form includes fields for 'user' (user), 'password' (masked), 'role' (super user), 'name' (wintop), 'mobile phone' (1232132141), and 'mailbox' (yuantuol@wintop.com). Below is an 'alarm configuration' section with checkboxes for 'level' (general, notice, serious, urgency) and 'way' (email, SMS). At the bottom, there are 'save' and 'close' buttons.