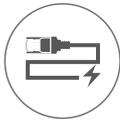


G3224P

24-Port 10/100/1000 PoE Smart Switch

Overview

G3224P is Ethernet PoE Switch designed to build reliable and smart wireless network. Providing 24-10/100/1000 Base-T Ethernet ports and 4 SFP slots for high-access-capability. 1-24 port supports IEEE 802.3af PoE (15.4W) or 802.3at PoE+ (30W) power supply, and PoE output full power up to 370W. Providing DC power and data transmission for AP, IP Phone and IP Camera through category 5 twisted pair. Providing safer protection system, excellent QoS strategy, rich VLAN function and stronger maintenance and management, which is a safe and easy PoE switch for your ideal choice.



Compliant with PoE 802.3at



Hardware security protection



Service security



Hardware security protection

Main Features

Enhanced Ethernet PoE+ function

Providing 24-10/100/1000 Base-T Ethernet ports (PoE) and 4 SFP slots. 1-24 port supports IEEE 802.3af PoE (15.4W) or 802.3at PoE+ (30W) power supply, and PoE output full power up to 370W. Providing DC power and data transmission for AP, IP Phone and IP Camera through category 5 twisted pair. Support PoE power smart management and support to setup supplied power and priority according to PD.

Hardware security protection

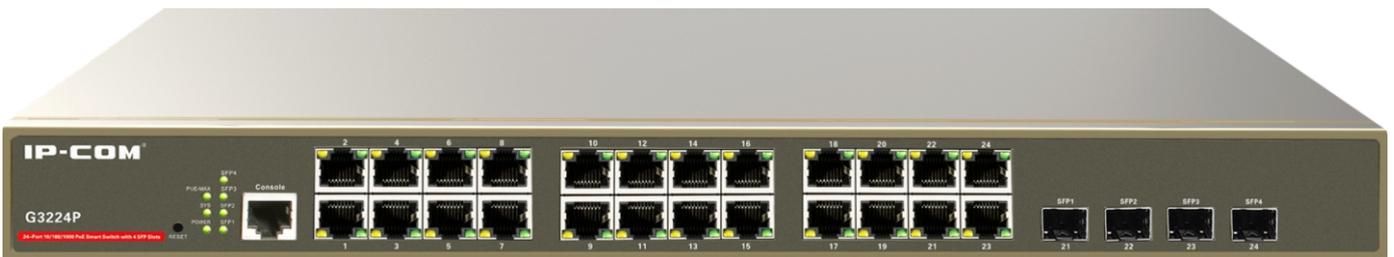
Support ARP intrusion detection to prevent Hacker or "man in the middle" attack caused by ARP spoof, discarding the illegal ARP spoofing message which is inconformity with DHCP Snooping dynamic-binding-table or manual static-binding-table. Support IP Source Check, preventing Invalid address from MAC deceive, IP deceive, MAC/IP deceive and the deuterogenic DoS attack. Plus, DHCP Snooping function can completely eradicate the private DHCP servers to ensure the authenticity and consistency of DHCP environment.

Service security

Effectively prevent MAC-base attacks. Permit or restrict flow based on MAC address, or setup the maximum number of MAC address by port-permitted, allow static allocation by administrator for MAC address on appointed port or switch dynamic learning.

User security

Support the user authentication by 802.1X and MAC authentication, permitting the access from legal user and refusing the access from illegal user. Reduce the harm to networking security by checking and controlling the user` legality.



Specification

Model NO.		G3224P
Description		24-Port 10/100/1000 PoE Smart Switch
linear-speed exchange on the second layer		linear-speed of all ports up to 35.7Mpps
Backplane bandwidth		56Gbps
Port feature	Store and forward	Yes
	Exchange capacity	56Gbit/s
	MAC Address entries	8K
Port and Module	Fixed ports	24 GE Ports
		4 SFP (combo)
	Optional modules	SFP modules
Optional power supply	Power supply module	Providing 24 port under 802.3af (15.4W) or 12 ports under 802.3at (30W). PoE through 1 2 3 6 pin
	Voltage input range	AC 100V~240V ; 50/60Hz
Dimension		440*284*44mm (L*W*H)
Power consumption		Total power consumption up to 450W PoE consumption up to 370W
Operating temperature		0 0C~45 0C
Storage temperature		-40 0C~70 0C
Relative humidity(Operational)		10%~95% (noncondensing)
Relative humidity(Storage)		10%~95% (noncondensing)

L2 Switching Features

Link Aggregation
Support static link aggregation
Support 802.3ad LACP
Up to 8 aggregation groups, containing 8 ports per group

Spanning Tree Protocol (STP)

IEEE 802.1D Spanning Tree Protocol
IEEE 802.1s Multiple Spanning Tree Protocol
IEEE 802.1w Rapid Spanning Tree Protocol
STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect

Multicast

Support IGMP Snooping V1/V2/V3, up to 256 groups
Support multicast VLANs, IGMP Immediate Leave, Unknown IGMP Throttling, IGMP Filtering, Static Multicast IP

VLAN

Support IEEE802.1Q with 4K VLANs simultaneously
Support Port VLAN, Protocol VLAN and MAC-based VLAN

802.1x authentication

Support 802.1x port/MAC based authentication
Support Radius authentication and accountability
Guest VLAN

Quality of Service

Support 802.1p CoS/DSCP priority
Support 4 priority queues
Queue scheduling: SP&WRR
Port/Flow- based Rate Limiting
Voice VLAN assure voice applications much Smoother performance
Advanced Security Strategies
IP-MAC-Port-VID Binding
Static/Dynamic Port Security (MAC-based)
DoS defend feature
Dynamic ARP Inspection

Access Control List (ACL)

L2~L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID

Time based ACL

Support Broadcast, Multicast and Unknown unicast Storm Control
Secure remote command line interface (CLI) management with SSH v1/V2

Management

Support Web-based GUI management mode
Support Command Line Interface (CLI) through console port, telnet management mode
SNMP v1/v2c/v3
RMON
DHCP/BOOTP Client
DHCP Snooping

IP-COM NETWORKS CO., LTD.

Add: Room 101, Unit A, First Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China 518052

Tel: +86 755-27653089 Fax: +86 755-27657178

Service Contact: info@ip-com.com.cn