

FEC-7201M EoC Master Unit

Technical Specification

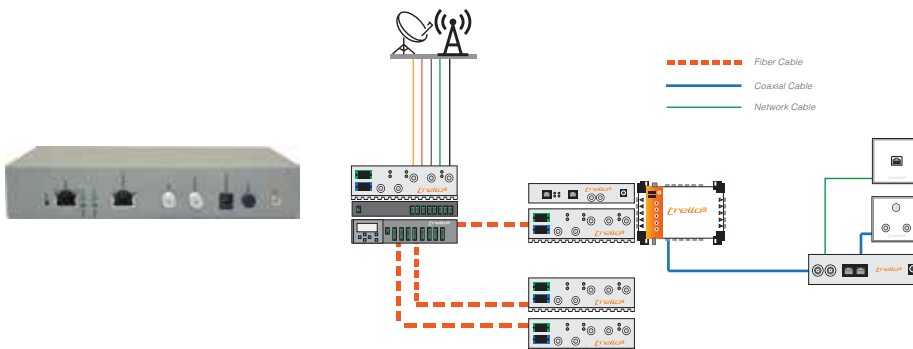
| Parameters | Specifications |
|--------------------------|--------------------------------------------------------------|
| Protocol of Network | IEEE 802.3, IEEE 802.3x, IEEE 802.3u, IEEE802.1P, IEEE802.1Q |
| EoC Standard | IEEE1901, Home Plug AV |
| TV RF Insertion Loss | <2dB to the input RF level (87~1000MHz) |
| PHY Speed | 600Mbps |
| MAC Speed | 320Mbps |
| Frequency Range | 7.5MHz~65MHz |
| Modulation Technology | OFDM |
| Multiplex Technology | TDMA, CSMA |
| RF Output Level | 120dBμV (7.5~65MHz) |
| RF receiving sensitivity | 45dBμV (7.5~65MHz) |
| Media and impedance | Coaxial Cable 75 Ω |
| Modulation Mode | OFDM 4096/1024/256/64/16/8-QAM, QPSK, BPSK |
| Management | SNMP, WEB, CLI |
| User Interface | RF Input Port: American F-Type, 75 Ω |
| | Data and Management Port: RJ45 |
| | RF and Data Hybrid Output: American F-Type, 75 Ω |
| Security | AES-128 |
| Operating Temperature | -10~50°C |
| Operating Humidity | 10%~90% Non-condensing |
| Dimension and Weight | 202 ×123 ×38(mm) 1Kg |
| Power Consumption | <8W |
| Power Supply | 12V 1A DC Adaptor |

TEC-7201M Ethernet over Coax (EoC) master unit employs INT7410 chip and OFDM technology to modulate bi-directional Ethernet data in 7.5MHz-65MHz frequency range: 600Mbps physical layer speed and 320Mbps MAC. TEC-7201M can insert two-way Ethernet into the last 100 meter one-way passive RF distribution coaxial cable network or Trello approved satellite multiswitch distribution cable system. TEC-7201M master unit has one 85-1000MHz TV RF input and one 10/100/1000Mbps Ethernet input. TEC-7201M outputs bi-directional RF from 7.5MHz to 1000MHz. Recommending less than 32pcs slave units for one EoC master unit.

Features

- Remote Network Management capabilities (SNMP, Web, CLI)
- Up & Downstream manageable bandwidth and Dynamic Bandwidth Allocation
- Broadcast Storm Suppression Mutual Isolation among following slave units
- Support Slave terminal auto configuration
- On-line upgrade

Application



Ordering Information

Ethernet Over Coax Master Unit
Order Number: TEC-7201M

Other Related Product

Ethernet Over Coax Slave Unit with SAT/TV and RJ45 Output
Order Number: TEC-5202S

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm Transmission Optical Length, SC/APC, with Aluminum housing
Order Number: TFO-3500-4R

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm and Integrated WDM Transmission Optical Length, SC/APC, with Aluminum housing
Order Number: TFO-3500-4WR

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length (4, 8, 16, 24, 32 Output Channels)
Order Number: FTO-3530-34xx

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length and Integrated WDM (4, 8, 16, 24, 32 Output Channels)
Order Number: FTO-3530-34xx-W