

Model FS-EPOC7001T

Features

- Single Channel Ethernet signal and power transmitter
- Using coaxial cable transmits Ethernet signal and power. Maximum transmission distance of Ethernet signal can be 2000meters and 500 meters of power with max 12V2A power supply.
- Accord with standards of EEE802.3 10BASE-T, IEEE802.3u 100BASE-TX.
- With high speed modem technology, the physical broadband can up to 200Mbps.
- Built-in multi-stage surge and lightning protection design.
- Low power consumption, automatic error-correction coding technology.
- Easy installation, good presentation, fast network connection.



Overview

Ethernet signal and power transmitter FS-EPOC7001T can transmit high speed Ethernet signal and power via coaxial cable. Its maximum transmission distance for Ethernet signal is 2000 meters and 500 meters for power with max 12V2A power supply. By adopting advanced OFDM technology to process the data, FS-EPOC7001T has high capacity of anti-jamming in real operating environment and its physical broadband can up to 200Mbps. With built-in multi-stage surge and lightning protection design, FS-EPOC7001T avoids devices from lightning damage. This product can be widely used in fields such as network expanding system, network security system, network information distribution system, network upgrading & expanding system, railway and urban transportation, metallurgy and mining, field operations etc.



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Applications

- Security Monitoring System
- Multimedia Network Teaching System
- Medical Monitoring Display System
- Industrial Automation Control System
- Banking, securities, financial information display system
- Remote Network Server Monitoring
- Department Store Security
- Casino Security
- Hospitals, Airports and banks
- School Campuses

Applications:

IP cameras based on coaxial cable or telephone wire NVR based on coaxial cable or telephone wire Video interphone based on coaxial cable or telephone wire Intelligent home POS, broadband intelligent power grid etc. Industrial fields such as railway, telecommunication, oil prospecting, coal mining etc.

Installation:

1.Connect FS-EPOCTX remote LAN port to network device RJ45 output; Connect 12VDC power output port to network device power interface; Fix BNC connector on both end of coaxial cable and connect one end with FS-EPOCTX BNC interface.

2.Connect FS-EPOCRX LAN port to network device RJ45 input; connect the other end of coaxial cable to FS-EPOCRX BNC interface; Plug 48VDC power into the power interface of the transmitter. Check and ensure all connections are right, then connect power supply.

3.With internet connected, device tries connection automatically. Link indicator (yellow light) turns on and indicates coaxial cable is well connected; green light quick shining means internet signal transmission is in normal.





Technical Specifications

| Model | | FS-EPOC7001T |
|--|--------------------------|--|
| Power supply | Power | Output:12V DC/2A |
| | No Load Consumption | 1.8W(max) |
| | Offer Remote Current | 12VDC/2A (max) |
| RJ45 interface and specification | Ethernet Interface | RJ45 Interface |
| | transmitting distance | 100m (max) |
| | Standards | IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX |
| | Physical speed | 200Mbps(max) |
| Coaxial cable interface and specification | Coaxial cable interface | BNC connector |
| | characteristic impedance | 75 Ohm |
| | Maximum Distance | 2000m |
| Transmission rates | Distance | Broadband |
| | 300m | 91Mbps |
| | 500m | 86Mbps |
| | 800m | 82Mbps |
| | 2000m | 35Mbps |
| State | Green Light | Coaxial cable connecting indicator |
| Indicators | Red Light | Internet signal running indicator |
| Lightning protection grade | transmission ports | Differential Mode: 2KV Common Mode:4KV |
| | | Execution standard: IEC61000-4-5 |
| | Device | 1a contact discharge 3 grade 1b aerial discharge 3 grade |
| | | Executive Standard: IEC61000-4-2 |
| Working Circumstance | Working Temperature | 0∼55°C |
| | Storing Temperature | -25 ℃~85 ℃ |
| | Dampness (no condensing) | 0~95% |
| Mechanical | Size | 103*54*26mm |
| | Housing material | Aluminum |
| | Color | Black |
| | Weight | 145g |

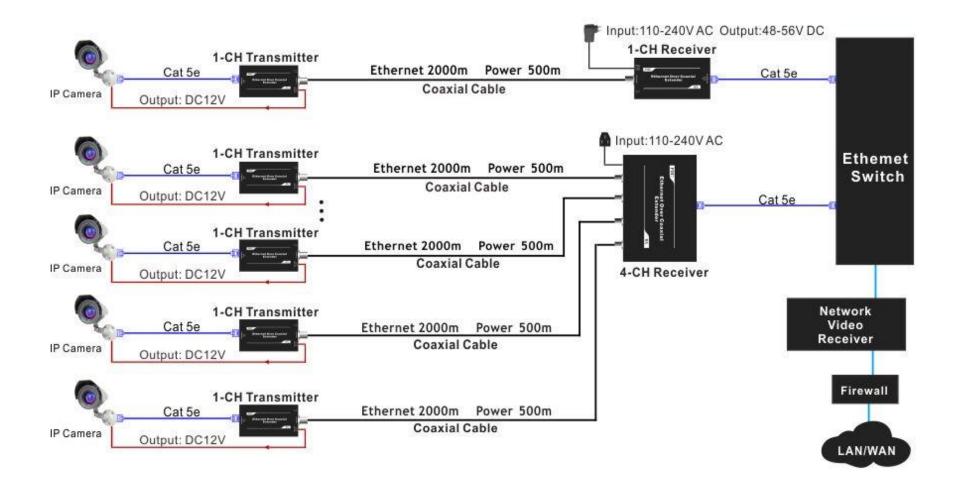
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Application Diagram





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