

Gigabit Ethernet over Coaxial Unmanaged Network Extender Kit - 2.4km

StarTech ID: EOC1110K



The EOC1110K Gigabit Ethernet over Coaxial Unmanaged LAN Extender Kit (2.4km) includes both end points, and allows you to span a 10/100/1000Mbps Ethernet network over extremely long distances (up to 2.4 km/1.5 mi) while still maintaining high-speed network connectivity.

The coax Ethernet extender allows you to run the connection over existing coaxial cable, with little to no modification required, making it a perfect solution for a broad range of applications, including connecting isolated user stations from the same or separate building, or overcoming infrastructure obstacles and distances (e.g. older stone/concrete architecture) where new wiring or wireless connectivity may be impossible.

The gigabit Ethernet over coax kit helps to eliminate expense by allowing CCD or CATV video and Ethernet network data to share the same coaxial cable without interference.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Extend an Ethernet network across an existing closed circuit camera network (over coax) without interrupting the analog TV signal
- Provide high-speed connectivity to a user or network segment that is in an isolated area of a large complex or in another building
- Extend network connectivity to remote areas of stadiums, auditoriums or other venues at extreme distances
- Industrial applications include controlling CNC machinery, polling bar code scanner data, administering process control equipment, and other harsh environment applications
- Monitor and control medical equipment, security keypads/card scanners, point of sale equipment and remote sensor data, and various other healthcare related network communications
- Remote sensor monitoring for traffic flow management (air traffic control, expressway flow)

Features

- Plug-and-play design for simple installation; no configuration or software required
- Uses existing coaxial cable, RG-59, RG-6, RG-7, or RG-11
- Transmit up to 2.4 km (1.5 mi)
- Transparent TCP/IP Operations
- Auto-MDIX and Auto-negotiation 10/100/1000Base-T and Full or Half-Duplex on the Ethernet port
- Compliant with EoCNA standard
- Status LEDs for simple monitoring of the device and connection status

Technical Specifications

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|----------------------------|---|
| Warranty | 2 Years |
| Industry Standards | IEEE 802.3ab 1000BASE-T |
| Industry Standards | ITU G.9954 (HomePNA 3.1) |
| Industry Standards | IEEE 802.3 10BASE-T |
| Industry Standards | IEEE 802.3u 100BASE-TX |
| Local Unit Connectors | 1 - RJ-45 Female |
| Local Unit Connectors | 2 - Type F (RF Coax) Female |
| Remote Unit Connectors | 1 - RJ-45 Female |
| Remote Unit Connectors | 2 - Type F (RF Coax) Female |
| Maximum Data Transfer Rate | Up to 112Mbps @ 2,952 ft (900 m) Up to 64Mbps @ 1.5 mi (2.4 km) Speed/distance will vary depending on type/quality of line used (see manual for detailed chart) |
| Max Transfer Distance | 2.4 km (1.5 mi) |
| Power Budget | 0 dBm, 12~44MHz |
| MTBF | 57,000 Hours |
| Color | Black |
| Product Length | 11 in [280 mm] |
| Product Width | 5.4 in [138 mm] |
| Product Height | 3 in [77 mm] |
| Product Weight | 0.7 lb [0.3 kg] |
| LED Indicators | 1 - Coax Link/Activity |
| LED Indicators | 1 - Coax Sync |
| LED Indicators | 1 - LAN Link/Activity |
| LED Indicators | 1 - Power |
| Power Consumption | < 4W |
| Power Adapter Included | Two |
| Input Voltage | 110 ~ 240 AC |
| Output Voltage | 12 DC |
| Output Current | 1 A |
| Center Tip Polarity | Positive |
| Plug Type | M |
| Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| Storage Temperature | -10°C to 70°C (14°F to 158°F) |
| Humidity | 10~90% RH |

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|---------------------------|---|
| Shipping (Package Weight) | 3.4 lb [1.6 kg] |
| Included in Package | 1 - Local Unit |
| Included in Package | 1 - Remote Unit |
| Included in Package | 2 - Universal Power Adapters (NA/EU/UK) |
| Included in Package | 1 - User Manual |

Certifications, Reports and Compatibility

