

Gigabit Ethernet over Coaxial Unmanaged Network Extender Kit - 2.4km

Product 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.

Certifications, Reports and Compatibility

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

- Compliant with HCNA (ITU G.9954 – HPNA 3.1)
- Transparent TCP/IP Operations
- Auto-MDIX and Auto-negotiation 10/100/1000Base-T and Full orHalf-Duplex on the Ethernet port
- Plug-and-play design for simple installation; no configuration orsoftware required
- Status LEDs for simple monitoring of the device and connection status
- Uses existing coaxial cable, RG-59, RG-6, RG-7, or RG-11
- Transmit up to 2.4 km (1.5 mi)

Hardware

Warranty	2 Years
Industry Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T HCNA (ITU G.9954 – HPNA 3.1)

Performance

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)
MTBF	57,000 Hours
Transmission Power	0 dBm, 12~44MHz

Connector(s)

Local Unit Connectors	Type F (RF Coax)
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	RJ-45
Remote Unit Connectors	RJ-45
	Type F (RF Coax)

Special Notes / Requirements

System and Cable Requirements	75 (ohm) coaxial RG-59, RG-6, RG-7, or RG-11 cable is required
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Indicators

LED Indicators	Power
	LAN Link/Activity
	Coax Sync
	Coax Link/Activity

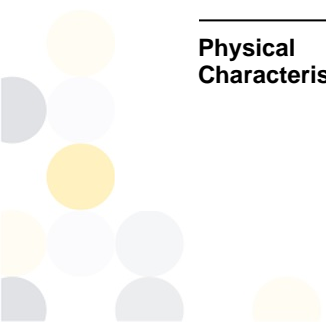
Power

Power Source	2 AC Adapters Included
Input Voltage	100 - 240 AC
Input Current	0.36A
Output Voltage	12V DC
Output Current	1.6 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	4

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	10~90% RH

Physical Characteristics



Color	Black
Material	Steel
Product Length	3.0 in [77 mm]
Product Width	5.4 in [13.8 cm]
Product Height	1.1 in [29 mm]
Weight of Product	23.5 oz [667 g]

Packaging Information

Package Length	7.7 in [19.5 cm]
Package Width	9.4 in [23.8 cm]
Package Height	6.5 in [16.4 cm]
Shipping (Package) Weight	3.5 lb [1.6 kg]

What's in the Box

Included in Package	Local Unit
	Universal Power Adapters (NA/EU/UK) or AU in Austrlia
	User Manual
	Remote Unit

****Product appearance and specifications are subject to change without notice.***

