

Gigabit Ethernet Over Coaxial LAN Extender Receiver - 2.4 km

Product ID: EOC1110R



The EOC1110R Gigabit Ethernet Over Coaxial LAN Extender Receiver (2.4km) is an additional receiver that can be used with the EOC1110K to create a point-to-multipoint topology, allowing you to span a Gigabit network over extremely long distances (up to 2.4 km) while still maintaining high speed network connectivity.

The device 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 within the same building or from a separate building, or overcoming infrastructure obstacles and distances (e.g. older stone/concrete architecture) where new wiring or wireless may be impossible.

When coupled with the EOC1110K Coaxial Ethernet Extender Kit, the Coaxial Ethernet LAN Extender Receiver helps to eliminate expense by allowing video streaming and data to share the same coax 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

- 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
- Supports point to point, and point to multi-point topologies
- Supports up to 32 nodes
- Transparent TCP/IP Operations
- Auto-MDIX and Full or Half-Duplex on the Ethernet port
- Compliant with HCNA (ITU G.9954 – HPNA 3.1)
- Status LEDs for simple monitoring of the device and connection status

Hardware

Warranty	2 Years
Industry Standards	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
Power Budget	8 +/- dBm, 12-28 MHz

Connector(s)

Local Unit Connectors	2 - Type F (RF Coax)
Remote Unit Connectors	1 - RJ-45

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	1 - Coax Link/Activity
	1 - Coax Sync
	1 - LAN Link/Activity
	1 - Power

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	260 mA
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
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Product Length	5.5 in [14.0 cm]
Product Width	3.5 in [9.0 cm]
Product Height	3.5 in [9.0 cm]
Weight of Product	11.3 oz [320.0 g]

Packaging Information

Package Quantity	1
Package Length	9.2 in [23.4 cm]
Package Width	7.4 in [18.9 cm]
Package Height	3.1 in [79.0 mm]
Shipping (Package) Weight	1.6 lb [0.7 kg]

What's in the Box

Included in Package	1 - Coax to Ethernet Media Receiver
	1 - Universal Power Adapter (NA/EU/UK/AU)
	1 - User Manual

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