

EOCPSE4020-110 & EOCPD4020-110

Ethernet Over Coax Extender With PoE+

(1) 100/1000Base RJ-45/SFP Combo Port + (1) 1000Base Coax BNC Port



EOCPD4020-110

EOCPSE4020-110

Transition Networks Ethernet Over Coax Extender With PoE+ provides the ability to quickly and easily upgrade older analog surveillance systems with modern PoE powered IP video cameras without the need to replace the wiring infrastructure. These products leverage the existing CCTV 75 ohm coax infrastructure to extend the Ethernet network and provide power to remote camera locations, saving time and money over installing new cable. These extenders communicate at near Gigabit speeds and can also be used in other applications besides surveillance to

extend Ethernet networks over an existing coax infrastructure.

The Ethernet Over Coax Extenders with PoE+ are used as a pair of devices, with a local and remote device at opposite ends of the coax cable. The extenders provide much flexibility for either copper or fiber Ethernet connections. The Local device offers both a 10/100/1000Base-T RJ-45 and 100/1000Base-X SFP connection, and provides a Gigabit BNC connection with power over coax to the Remote device. The Remote device receives power through the PoE+ BNC connection and provides both a 10/100/1000Base-T RJ-45 and a 100/1000Base-X SFP connector output with PoE+ power for IP cameras, wireless access points or other PoE powered end devices. Power for the Local device can be supplied through a properly isolated +48VDC power source or through the designated 90 Watt power adapter. The designated power adapter is optional for providing backup power at the Remote device.

The Ethernet Over Coax Extenders With PoE+ are supplied with a web GUI, which allows password-protected access to various configuration options of both the Local and Remote devices through a single IP address. It also allows easy upgrades to firmware.

Features

- Copper or fiber combo Ethernet port
- Remote PoE+ Port IEEE 802.3at
- Full PoE+ at 400 ft. or less* (dependent on cable type)
- PoE powered Remote device
- Coax distance in excess of 1000 ft. at near Gigabit speeds or 2000 ft. at Fast Ethernet speeds (dependent on remote power requirements)
- Proprietary coax end device classification prevents unintended power delivery to non-Transition Networks devices
- Power monitoring
- Auto Power Reset (APR) and power-saving mode
- Web browser configurable
- Plug-and-Play installation
- Field upgradeable firmware
- Managed through a single IP address

*Typical RG59U cable DC resistance of 50 ohm per 1000 ft. Cable with less DC resistance may increase distance.

Specifications

Standards	IEEE 802.1p IEEE 802.1Q IEEE 802.3 IEEE 802.3ab IEEE 802.3af/at IEEE 802.3az IEEE 802.3u IEEE 802.3x IEEE 802.3z
Ports	Ethernet: 10/100/1000Base-T RJ-45 or 100/1000Base-X SFP Combo PoE: 1000Base PoE+ BNC
Status LEDs	Power, Coax Power, Coax ACT, Coax Security, Combo Port Link/ACT, PoE+
Dimensions	Width: 3.25" [82.5 mm] Depth: 1.25" [31.75 mm] Height: 5.38" [136.7 mm]
Power Consumption	45 Watts (max)
Power Input	48 VDC
Ingress Protection	IP30
Environment	Operating: 0°C to +65°C (Industrial +85°C SFP modules must be used above 50°C ambient temperature) Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 - 10,000 ft.
Weight	1.05 lbs. [0.48 kg]
Compliance	Safety: External Power Supply: CE Mark, UL listed; Emissions: FCC Part 15, CISPR22/EN55022 Class A; Immunity: EN55024
Warranty	5 Years



Ordering Information

*EOCPSE4020-110 (Local)

(1) 10/100/1000Base-T Port
or (1) 100/1000Base-X SFP Combo Port
+ (1) 1000Base BNC Port with PoE+

*EOCPD4020-110 (Remote)

(1) 10/100/1000Base-T PoE+ Port IEEE 802.3af/at
or (1) 100/1000Base-X SFP Combo Port
+ (1) 1000Base BNC Port

*Note: Product must be used in pairs. A properly isolated power source is required for each Local unit and an external power supply is optional for Remote units depending on power requirements.

Industrial Power Supplies (sold separately)

25148 (Power Adapter)

90 ~ 264 VAC; 127 ~ 370 VDC
(Country specific power cord included)

Mounting Options (sold separately)

WMBL

Wall Mount Bracket 4" [102 mm]

WMBD

DIN Rail Bracket 5" [127 mm]

WMBD-F

DIN Rail Bracket (flat) 3.3" [82 mm]

WMBV

Vertical Wall Mount Bracket 5" [127 mm]

Features Continued

- Auto MDI/MDI-X
- 128 Bit AES encryption over coax
- IPv4 and IPv6 supported
- 1518 Byte frames
- DHCP, DNS, NTP
- Connection for optional power on Remote device
- Preserves investment in existing coax infrastructure