EOCPx Series

Media Converters

REMOTE
EOCPD4020-110

LOCAL
EOCPSE4020-110

ETHERNET OVER COAX EXTENDER WITH POE+

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

Lantronix's 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 device at one end and a remote device the other end of the coax cable. The extenders provide flexibility for connecting to either copper or fiber Ethernet network equipment. 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 over coax through the BNC connection and provides both a 100/1000Base-X SFP and a 10/100/1000Base-T RJ-45 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 redundant 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.

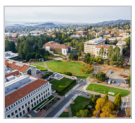
Applications:

- Conversion of analog CCTV surveillance system to IP-based cameras
- Extend network connectivity to a remote location utilizing existing coax infrastructure
- Bridge between two networks using a coax infrastructure

Markets:


Security & Surveillance


Enterprise


Campus

LANTRONIX

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
- Coax: 1000Base BNC
- PoE: 10/100/1000Base-T RJ-45 PoE+

Status LEDs

- Power, Coax Power, Coax ACT, Coax Security, Combo Port Link/ACT, PoE+

Dimensions

- Width: 3.25" [82.5 mm]
- Height: 1.25" [31.75 mm]
- Depth: 5.38" [136.7 mm]

Power Consumption

- 45 Watts (max)
- EOCPSE 4 Watts
- EOCPD 4.4 Watts

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]

MTBF

- Greater than 200,000 MIL-HDBK-217F hours

Certifications

- Safety: External Power Supply: CE Mark;
- Emissions: FCC Part 15, CISPR22/EN55022
- Class A;
- Immunity: EN55024

Warranty

- 5 Years

Features

- Copper or fiber combo Ethernet port
- Remote PoE+ Port IEEE 802.3at for powering cameras or other remote devices
- Full PoE+ at 400 ft. or less* (dependent on cable type)
- 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-Lantronix devices
- Power monitoring
- Auto Power Reset (APR) and power-saving mode
- Web browser configurable
- Plug-and-Play installation

* Typical RG59U cable DC resistance of 50 ohm per 1000 ft. Cable with less DC resistance may increase distance. To determine power distance for specific cable types, refer to online calculator.

- Field upgradeable firmware
- Managed through a single IP address
- Auto-MDI/MDIX
- 128 Bit AES encryption over coax
- IPv4 and IPv6 supported
- 1518 Byte frames
- Client for DHCP, DNS, NTP
- Connection for optional power on Remote device
- Preserves investment in existing coax infrastructure

Ordering Information

ONE LOCAL UNIT MUST BE PAIRED WITH ONE REMOTE UNIT

Part Number	Description
*EOCPSE4020-110 (Local)	(1) 10/100/1000Base-T port, or (1) 100/1000Base-X SFP combo port + (1) 1000Base BNC port
*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

*Notes: Local and Remote must be used as a pair. 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)	**Description**
25148 (Power Adapter)	90 ~ 264 VAC; 127 ~ 370 VDC (Country specific power cord included)

Optional Accessories (sold separately)
SFP Modules

Mounting Options (sold separately)	**Description**
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]
RMS19-SA4-02	4-Slot Media Converter Shelf, includes 4 brackets and 3 slot blanks

Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: 25148--**NA**

-NA = Country Code

-NA = North America
-LA = Latin America
-EU = Europe
-UK = United Kingdom
-SA = South Africa
-JP = Japan
-OZ = Australia
-BR = Brazil

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