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



Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%

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Lantronix 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.

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-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
- Auto-MDI/MDIX
- 128 Bit AES encryption over coax
- IPv4 and IPv6 Supported
- 1518 Byte frames
- Client for DHCP, DNS, NTP

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- Connection for optional power on Remote device
- Preserves investment in existing coax infrastructure

*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.

Technical Data

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

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- 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

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Product variants & accessories

Art.-No.	Description
EOCPD4020-110	(1) 10/100/1000Base-T PoE+ port IEEE 802.3af/at or (1) 100/1000Base-X SFP combo port + (1) 1000Base BNC port

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