**Ethernet Over 2-Wire Extender With PoE+**

**Applications**
The Ethernet Over 2-Wire Extenders With PoE+ allow utilization of existing 2-wire cabling infrastructure for:
- Conversion of analog surveillance systems to IP-based cameras
- Extending network connectivity and power to IP devices in remote locations
- Bridging between two networks using a 2-wire infrastructure

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Half Gigabit communication speeds</td>
<td>Provide sufficient bandwidth for many different applications</td>
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<tr>
<td>IEEE 802.3af/at compliant Remote PoE+ Port</td>
<td>Ensures compatibility with other IEEE 802.3af/at compliant PoE/PoE+ powered devices and provides full PoE+ to camera or other remote IP devices</td>
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<tr>
<td>PoE+ End Device Classification</td>
<td>Extenders use proprietary UTP end device classification to prevent unintended powering of other remote devices</td>
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<td>Auto Power Reset</td>
<td>PoE+ connected device can be monitored and power cycled/rebooted in the event it becomes unresponsive, eliminating the need to dispatch service technicians for simple power resets</td>
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<td>Copper and Fiber Connections</td>
<td>Gigabit copper and SFP combo port connections provide network connection flexibility</td>
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<td>SELV Power over 2-wire</td>
<td>Eliminates need for electricians and power outlets at the remote location, allowing for maximum flexibility on the location of remote devices</td>
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<tr>
<td>User-friendly Web GUI</td>
<td>Both the Local and Remote devices can be configured and managed through the included web GUI using a single IP address</td>
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E02PSE4052-111 & E02PD4052-111
Ethernet Over 2-Wire Extender With PoE+

(1) 10/100/1000Base RJ-45/SFP Combo Port + (1) 1000Base-T RJ-45 Port or 2-Wire Terminal Block

Features
- Copper or fiber combo Ethernet port
- Plug-and-Play installation
- Full PoE+ at 335-1,500 ft. over a single half-Gigabit Ethernet speeds over UTP or twisted 2-wire phone wire) cabling infrastructure to extend the Ethernet network at half Gigabit speeds and provide data and power to IP devices in remote locations, saving time and money over installing new cable.

The Ethernet Over 2-Wire 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.

Transition Networks Ethernet Over 2-Wire Extender With PoE+ provides the ability to quickly and easily upgrade Ethernet networks with modern PoE powered IP devices without the need to replace the existing copper wire infrastructure. The extenders leverage existing 18-24 AWG unshielded twisted pair (CAT 5, CAT 3 and other twisted 2-wire) cabling infrastructure to extend the Ethernet network half Gigabit speeds and provide data and power to IP devices in remote locations, saving time and money over installing new cable.

Power for the Local device can be supplied through a properly isolated +48VDC power source or through the designated 90 Watt power adapter. Power for the Remote device can be supplied from the Local unit, through a properly isolated +48VDC power source, or through the designated power adapter for providing redundant power or for additional power requirements at the Remote device.

The Ethernet Over 2-Wire 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.

Specifications

**Standards**
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.3
- IEEE 802.3ab
- IEEE 802.3x
- IEEE 802.3u
- IEEE 802.3af/at
- IEEE 802.3z

**Ports**
- Ethernet: 10/100/1000Base-T RJ-45 or 100/1000Base-X SFP Combo 2-Wire: 10/100/1000Base-T RJ-45 or 2-wire terminal block
- PoE: 10/100/1000Base-T RJ-45 PoE+

**Status LEDs**
- Power, Copper Power, Copper ACT, Copper Security, Combo Port Link/ACT, PoE+

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

**Power Consumption**
- 45 Watts (max)

**Power Input**
- 48 VDC

**Ingress Protection**
- IP30

**Environment**
- Operating: 0°C to +40°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]

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

**Warranty**
- 5 Years

Features Continued
- Can be managed through a single IP address
- Auto-MDI/MIDX
- 128 Bit AES encryption over 2-wire
- IPv4 and IPv6 supported
- Client for DHCP, DNS, NTP
- Connection for optional power on Remote device
- Preserves investment in existing UTP or twisted 2 wire infrastructure

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Warranty
5 Years

Ordering Information

**ONE LOCAL UNIT MUST BE PAIRED WITH ONE REMOTE UNIT**

*E02PSE4052-111 (Local)*
- (1) 10/100/1000Base-T RJ-45 port
- or (1) 100/1000Base-X SFP combo port
- or (1) 10/100/1000Base-T RJ-45 or 2-Wire Terminal Block combo port

*EO2PD4052-111 (Remote)*
- (1) 10/100/1000Base-T RJ-45 port
- or 2-Wire Terminal Block combo port
- or (1) 100/1000Base-T RJ-45 or 2-Wire Terminal Block combo port

*Note: 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.*

**Indoor Power Supplies** (sold separately)
- 25148 (Power Adapter)
  - 90 ~ 264 VAC; 127 ~ 370 VDC
  - (Country specific power cord included)

**Optional Accessories** (sold separately)
- SFP Modules
- Mounting Options (sold separately)
  - RMS18-SA4-02 4-Slot Media Converter Shelf, includes 4 brackets and 3 slot blanks
  - WMBL Wall Mount Bracket 4" [102 mm]
  - WMBD DIN Rail Bracket 4" [102 mm]
  - WMBD-F DIN Rail Bracket (flat) 3.3" [82 mm]
  - WMBV Vertical Wall Mount Bracket 5" [127 mm]

**Industrial Power Supplies** (sold separately)
- 25148 (Power Adapter)
  - 90 ~ 264 VAC; 127 ~ 370 VDC
  - (Country specific power cord included)

Media Converters

* Features Continued
  - Can be managed through a single IP address
  - Auto-MDI/MIDX
  - 128 Bit AES encryption over 2-wire
  - IPv4 and IPv6 supported
  - Client for DHCP, DNS, NTP
  - Connection for optional power on Remote device
  - Preserves investment in existing UTP or twisted 2 wire infrastructure