5 Port Industrial Ethernet Switch with 4 25W High Power PoE Ports
EIRHP305-T

The EIRHP305-T is a five Port Unmanaged Industrial Ethernet Switch with four 802.3af (Alternative A) end-point Power-Over-Ethernet injector ports. As power sourcing equipment (PSE), these ports can be used to power 802.3af compliant powered devices (PD). This eliminates the need for a separate power line to each end device.

High-Speed Transmissions: The EIRHP305-T includes a switch controller that automatically senses transmission speed (10/100 Mbps). The RJ-45 interface also auto-detects MDI or MDI-X, eliminating the requirement for a crossover cable. Each port is buffered and supports store-and-forward protocol.

Dual Power Input: To reduce the risk of power failure, the EIRHP305-T provides two 48 VDC power inputs. If the power fails, the switch will automatically use the secondary power input. Also, if the power goes out the corresponding P1 or P2 LED will go out and the Fault LED will light. The contacts for the alarm output will also open.

Flexible Mounting: The switch features a space saving IP30 metal enclosure that can be DIN or Panel mounted.

Wide Operating Temperature: With an operating temperature of -40 to 75°C (-40 to 167°F), this switch is suitable for use in some of the harshest industrial environments that exist.

Easy Troubleshooting: There are two LED indicators for each port that display the link status and transmission speed. Three LED indicators for power (P1, P2 and Fault) show power status. FWD LED’s for each PoE port indicate if the switch is providing power to the end-point device. These indicators allow you to quickly diagnose and correct problems and ensure your network remains reliable.

PRODUCT FEATURES
- Five 10/100 Base-T Ethernet ports
- Class 1/Division 2
- Four 25 W high powered 802.3af end-point PoE ports
- Dual 48 VDC power inputs
- Wide operating temperature (-40 to 75°C)
- DIN Rail or Panel Mount

ACCESSORIES
- ERS35 - DIN Rail 1 Meter 35 mm Steel
- CSUMB3FBL - 3 ft. (1 M) - Blue - Category 5e UTP Patch Cord

ORDERING INFORMATION

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<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
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<td>EIRHP305-T</td>
<td>5 Port Industrial Switch (4 - 25 Watt PoE Ports)</td>
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### Specifications

**Interface**
- RJ-45 Ports: 5 x 10/100BaseT, Auto MDI/MDI-X
- ESD Protection: 6000V ESD Protection

**PoE**
- 802.3af End-point Alternative A (4 Ports)
  - Positive (VCC+): Pins 1 and 2
  - Negative (VCC-): Pins 3 and 6
- Data: Pins 1, 2, 3, and 6
- P: (Power 1 Green)
- P2: (Power 2 Green)
- P-Fail: (Red)
- RJ-45: Ports have 2 LED’s to indicate LINK / Activity (Green), Full duplex/collision (Amber)
- PoE: Feeding Power (Green)

**Power**
- Input Voltage: Dual 48 VDC Inputs
- Power Connection: Removable Terminal Block
- Wire Size: 12 to 24 AWG
- Power Use: 110 Watts (full load PoE)
- Fault Output: 1 Relay Output – Normally Closed
- EFT Protection: 3000 V EFT Protection

**Environmental**
- Operating Temperature: -40 to 75°C (-40 to 167°F)
- Storage Temperature: -40 to 85°C (-40 to 185°F)
- Operating Humidity: 0 to 95%

**Mechanical**
- Enclosure: IP30 Metal Enclosure
- Mounting: 35 mm DIN Rail or Panel Mount Attachments
- Dimensions: 48.6 x 95 x 140 mm (1.91 x 3.74 x 5.51 in)

**Network Specifications**
- Architecture: Back-plane (Switching Fabric): 1.0 Gbps
- Transfer Rate: 14,880 pps Ethernet Port
- Buffer: 56 K bytes
- MAC Table: 2K
- Other: Broadcast Storm Filtering, CSMA/CD

**Regulatory**
- Approvals: FCC, CE, UL
- UL File Number: E173795
- Hazardous Locations: UL/cUL Class I, Division 2, Groups A, B, C and D
- Free Fall: IEC60068-2-32
- Shock: IEC60068-2-27
- Vibration: IEC60068-2-6

**IEEE Standards**
- IEEE 802.3 802.3, 10Base-T Ethernet
- IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet
- IEEE 802.3x Flow Control and Back Pressure
- IEEE 802.3at Power Over Ethernet

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### Interface
- **RJ-45 Ports**: 5 x 10/100BaseT, Auto MDI/MDI-X
- **ESD Protection**: 6000V ESD Protection

### PoE
- **802.3af End-point Alternative A (4 Ports)**
  - **Positive (VCC+):** Pins 1 and 2
  - **Negative (VCC-):** Pins 3 and 6
- **Data**: Pins 1, 2, 3, and 6
- **P:** (Power 1 Green)
- **P2:** (Power 2 Green)
- **P-Fail:** (Red)
- **RJ-45:** Ports have 2 LED’s to indicate LINK / Activity (Green), Full duplex/collision (Amber)
- **PoE:** Feeding Power (Green)