Elinx™ EIRHP305-T

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

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PRODUCT INFORMATION

- ✓ **Five 10/100 Base-T Ethernet Ports**
- ✓ **Class 1 Div 2**
- ✓ **Four 25 W High Powered 802.3af End-point PoE Ports**
- ✓ **Dual 48 VDC Power Inputs**
- ✓ **Wide Operating Temperature (-40 to 75C)**

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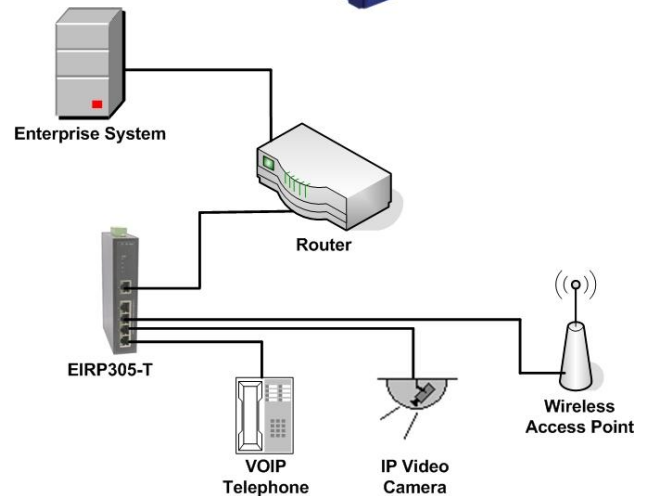
Dual Power Input: To reduce the risk of power failure, the EIRHP305-T provides two 48 VDC power inputs. If the power fails, the switch will automatically use the secondary power input. Also, if the power goes out the corresponding P1 or P2 LED will go out and the Fault LED will light. The contacts for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

B&B Electronics' Elinx™ Brand Ethernet Switches are your number one choice for reliable performance in harsh industrial environments.

Ordering Information

Model Number	Description
EIRHP305-T	5 Port Industrial Switch (4 - 25 Watt PoE Ports)
Accessories	
SDR-240-48	48VDC, 240 W, 5A, DIN Mount Power Supply

Specifications

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

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PRODUCT INFORMATION

Specifications

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 802.3af	Power Over Ethernet

Network Specifications

Architecture	Back-plane (Switching Fabric): 1.0 Gbps
Transfer Rate	14,880 pps Ethernet Port 148,800 pps Fast Ethernet Port
Buffer	56 K bytes
MAC Table	2K
Misc	Broadcast Storm Filtering CSMA/CD

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
LED Indicators	**P1**: (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)

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s (unit: mm)

Power

Input Voltage	Dual 48 VDC Inputs Reverse Polarity Protection
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

Op. Temp	- 40 to 75°C (-40 to 167°F)
Storage Temp	- 40 to 85°C (-40 to 185°F)
Op. Humidity	5 to 95% Non Condensing

Mechanical

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

Side View   Front View   Rear View   Top View   Bottom View

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