5 Port Industrial Ethernet Switch with 4 PoE Injector Ports

EIRP305-T

PRODUCT FEATURES

- Five 10/100 Base-T Ethernet ports
- Four 15.W powered 802.3af end-point PoE ports
- 3000V EFT & 6000V ESD protection
- Dual 48 VDC power inputs
- Wide operating temperature
- DIN Rail or Panel Mount

The EIRP305-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 EIRP305-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 EIRP305-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.

Transient Protection: The power line input on the EIRP305-T offers protection from up to 3,000 V EFT. The Ethernet ports offer up to 6,000 V ESD protection. These features make the switch reliable and suitable for use in harsh electrical environments.

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.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
EIRP305-T	5 Port Industrial Switch (4 PoE Ports)

ACCESSORIES

MDR-60-48 - DIN Rail Power supply 48VDC, 60W

ERS35 - DIN Rail 1 Meter 35 mm Steel

C5UMB3FBL - 3 ft. (1 M) - Blue - Category 5e UTP Patch Cord

5 Port Industrial Ethernet Switch with 4 PoE Injector Ports

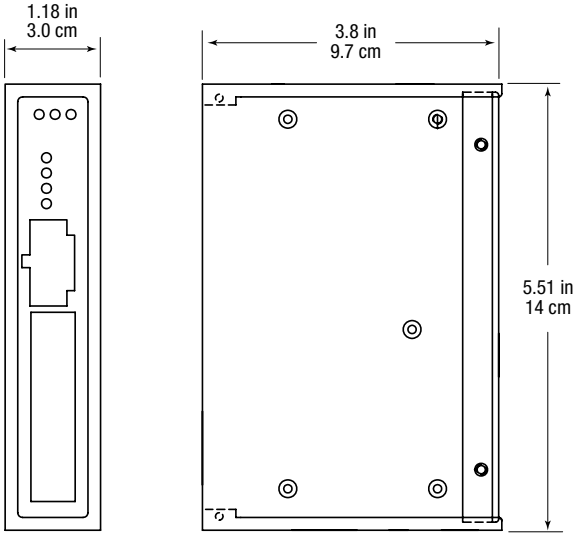
EIRP305-T

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
LED Indicators	P1 (Power 1), P2 (Power 2), Fault (Power Fault), RJ-45 Ports have 2 LED's to indicate LINK and activity. FWD LEDs for PoE status.
POWER	
Input Voltage	Dual 48 VDC Inputs Reverse Polarity Protection
Power Connection	Removable Terminal Block
Wire Size	12 to 24 AWG
Power Use	3.4 Watts (without PoE) 67 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	3.0 x 9.7 x 14.0 cm (1.2 x 3.8 x 5.5 in)

REGULATORY	
Approvals	FCC, CE, UL UL File Number: E180881
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
IEEE802.3af	Power over Ethernet
NETWORK SPECIFICATIONS	
Architecture	Back-plane (Switching Fabric): 1.0 Gbps Throughput (Full-dux): 1.488 Mpps@64bytes
Transfer Rate	14,880 pps Ethernet Port 148,800 pps Fast Ethernet Port
Buffer	448 Kbits
MAC Table	2K
Other	Broadcast Storm Filtering CSMA/CD

MECHANICAL DIAGRAM



B+B SmartWorx
orders@bb-smartworx.com
support@bb-smartworx.com
International Office: 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104
European Office: Westlink Commercial Park Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792445