

Elinx™ EIR405-T

5 Port Gigabit Industrial Ethernet Switch

- ✓ 5 10/100/1000 Base-T Ethernet Ports
- ✓ 3000V EFT & 6000V ESD Protection
- ✓ Dual 12 to 48 VDC Power Inputs
- ✓ Wide Operating Temperature
- ✓ DIN or Panel Mount Options



The **EIR405-T** is a 5 Port Unmanaged Industrial Gigabit Ethernet Switch. Packed full of rugged features, this switch is perfect for your high speed industrial network.

High-Speed Transmissions: The EIR405-T includes a switch controller that automatically senses transmission speed (10/100/1000 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 EIR405-T provides two 12 to 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.

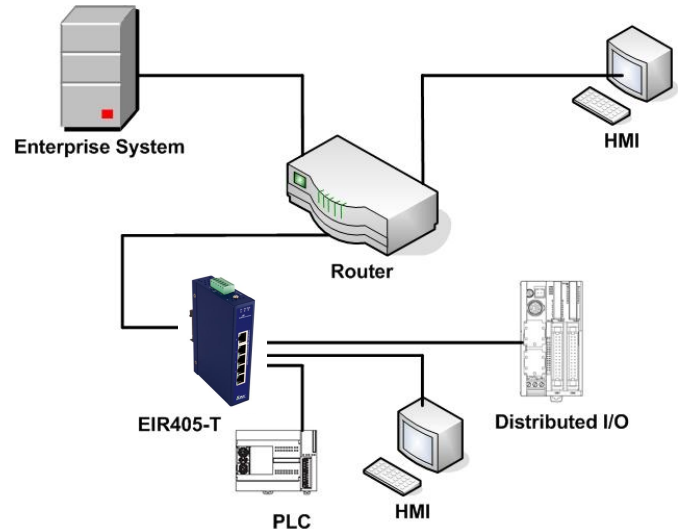
Flexible Mounting: The switch features a space saving IP30 metal enclosure that can be DIN or Panel mounted.

Transient Protection: The power line input on the EIR405-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 can be used in harsh industrial environments.

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. 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 |
|--------------|------------------------------------|
| EIR405-T | 5 Port Industrial Gigabit Switch |
| Accessories | |
| MDR-60-24 | 24VDC, 2.5A DIN Mount Power Supply |

Specifications

| Regulatory | |
|------------|--|
| Approvals | FCC, CE, UL UL File Number: E173795 |
| Free Fall | IEC60068-2-32 |
| Shock | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |



Specifications

IEEE Standards

| | |
|--------------|---|
| IEEE 802.3 | 802.3. 10Base-T Ethernet |
| IEEE 802.3u | 100Base-TX and 100Base-FX Fast Ethernet |
| IEEE 802.3ab | 1000Base-T |
| IEEE 802.3x | Flow Control and Back Pressure |

Network Specifications

| | |
|---------------|---|
| Architecture | Back-plane (Switching Fabric): 10Gbps Throughput (Full-dup): 14.88Mpps@64bytes |
| Transfer Rate | 14,880 pps Ethernet Port 148,800 pps Fast Ethernet Port |
| Buffer | 136 Kbits |
| MAC Table | 8K |
| Jumbo Frame | 9Kbytes |
| Misc | Broadcast Storm Filtering CSMA/CD |

Interface

| | |
|----------------|--|
| RJ-45 Ports | 5 x 10/100/1000BaseT, Auto MDI/MDI-X |
| ESD Protection | 6000V ESD Protection |
| LED Indicators | P1 (Power 1), P2 (Power 2), Fault (Power Fault), RJ-45 Ports have 2 LED's to indicate LINK and activity |

Power

| | |
|------------------|---|
| Input Voltage | Dual 12 to 48 VDC Inputs Reverse Polarity Protection |
| Power Connection | Removable Terminal Block |
| Wire Size | 12 to 24 AWG |
| Power Use | 4.6 Watts |
| 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 | 0 to 95% |

Mechanical

| | |
|------------|--|
| Enclosure | IP30 Metal Enclosure |
| Mounting | 35mm DIN Rail or Panel Mount Attachments |
| Dimensions | 1.2 x 3.8 x 5.5 in (3.0 x 9.7 x 14.0 cm) |

