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.

<u>High-Speed Transmissions:</u> 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.

<u>Dual Power Input:</u> 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.

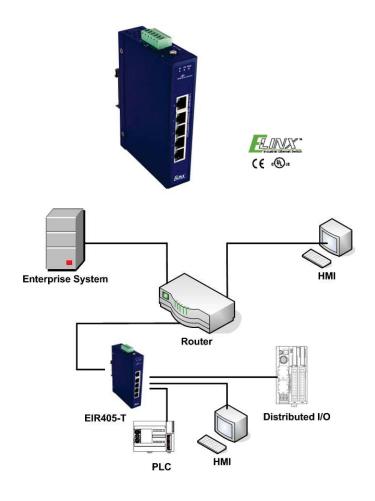
<u>Flexible Mounting:</u> The switch features a space saving IP30 metal enclosure that can be DIN or Panel mounted.

<u>Transient Protection:</u> 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 EIR405-T	Description 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-dux): 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		
Miscl	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 the second s		

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)		

