

### **Warranty**

All B&B Electronics products have a five-year warranty. Products that are damaged or modified are not covered.

### **Returns**

If, for any reason, you wish to return one of our hardware products, you may return it via UPS or insured parcel post, undamaged, with the receipt, within 30 days of purchase for a full refund (less shipping charges). Software is not returnable if opened. Large orders or custom orders may not be returnable or may be subject to a restocking charge. Call, FAX, or e-mail to request a Return Material Authorization (RMA) number and routing instructions. Packages returned without prior authorization will be refused. All products returned to B&B Electronics after 30 days may be charged a 20% restocking fee. Any customs charges including, duties, taxes and brokerage fees are the sole responsibility of the recipient.

### **Return and Repair Contact Information**

Phone: (800) 346-3119 (8 – 5 U.S. Central Time)  
Email: support@bb-elec.com  
Fax: (815) 433-5104 (ATTN: Support)

## **Quick Start Guide**

### **8-Port 10/100 Ethernet Switch**

**Model EIP308**

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### **Description**

The EIP308 is an 8-port 10/100 Ethernet switch. Switches have some advantages over hubs. For one, they remember which node is which and route the traffic accordingly. Also, full-duplex or two-way communications can be realized with switches, making them more efficient than hubs.

This is no standard switch either, since the product is made for the unpredictable and not-so-friendly industrial environment. It is housed in a sturdy, metal enclosure with options to be either panel or DIN rail mounted.

Connections are straightforward. Each port is designed to auto negotiate for speed and connectivity. No crossover cables are necessary. It will accept standard RJ45 UTP or STP cabling. Power supply is any unregulated 9-30 VDC or 24 VAC source.

Diagnostic LEDs help troubleshooting and serve as a quick visual monitor. There is one red LED to indicate power. Each port has two LED's, a yellow for speed and a green for link/activity. There are also unique load LEDs to indicate Ethernet traffic.

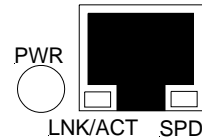
### Connections

Standard RJ45 female connectors are provided. Standard RJ45 plug cables are all that is necessary to connect your devices to the unit since the switch supports auto crossover. External power supply is connected using one of the three 2-position pluggable terminal blocks. Power supply model 12DC1AST is required, not included.

#### RJ45 Pinouts

Pin	Signal
1	TX+
2	TX-
3	RX+
4	not used
5	not used
6	RX-
7	not used
8	not used

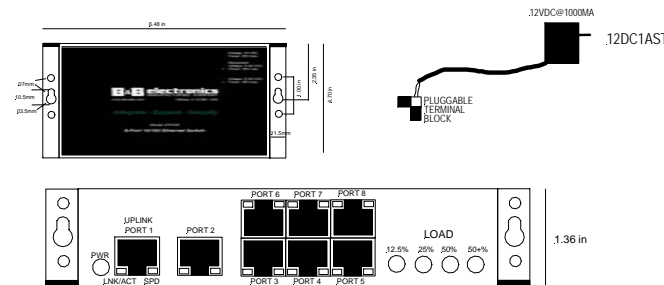
#### LED Indicators



#### LED Indicators Summary

LED	Color	On	Off	Blinking
SPD	yellow	100	10	reset/error
LNK	green	link	no link	data
PWR	red	power	no power	NA

### Mechanical & Power Options



### Specification Summary

- Switch Type:** IEEE 802.3, 802.3u, & 802.3x  
Unmanaged Layer 2
- Main Features:** Store-and-forward scheme  
Automatic address learning, aging and migration  
Full-duplex support
- Speed:** Autodetecting 10/100 Mbps
- LED:** Per port speed indicator  
Per port activity indicator  
Per unit power indicator  
Network load indicator (12%, 25%, 50%, 50+%)
- Frame Buffer:** 256KB share by all ports
- MAC Buffer:** 2KB (automatic learning, aging and migration)
- Isolation:** 1500 VDC isolation magnetics
- Connections:** 8 RJ45 female jacks (auto MDI/MDIX crossover)  
2-position pluggable terminal block x 3
- Power:** Main DC = 9 – 30 VDC @ 6 W maximum  
Redundant DC = 9 – 30 VDC @ 6 W maximum  
Auxillary AC = 24 VAC @ 6 W maximum
- Approval:** FCC Class A, CE, shock, free fall, vibration
- Temperature:** 0 to 70°C (32 to 158°F)
- Dimensions:** 6.5 x 4.7 x 1.4 in (16.5 x 11.9 x 3.5 cm)

#### Note – ESD Sensitive Device

As with many electronic devices, this product is sensitive to ESD (Electrostatic Discharge). Please be sure the product is handled with safety precautions. Should the product exhibit undesirable behavior due to excessive ESD, a power cycle reset may be necessary.