



**Model IASW5P**  
**5-Port Industrial 10/100**  
**Ethernet Switch** CE

**Description**

Model **IASW5P** is a 5-port 10/100 switch designed for the not-so-friendly industrial environment. The unit is housed in a rugged ABS enclosure ready to be mounted on a DIN rail or panel. The switch is an unmanaged Layer 2 switch that provides auto MDI/MDIX crossover for easy plug-and-play applications.

LEDs indicate power, speed and link/activity for easy visual diagnostics. External power supply is connected to a 2-position pluggable terminal block. A 9-30 VDC power supply is required and available. B&B Electronics' power supply model 232PS4, 485PS4 or PS5R-A12 is required, not included.

**Features**

- Fully IEEE 802.3 and 802.3u compliant
- 5-port unmanaged Layer 2 switch
- Auto detecting 10BaseT/100BaseTX
- Auto MDI/MDIX crossover for plug and play
- DIN rail mountable
- Panel mountable
- Wide power input 9-30 VDC

**Applications**

Industrial automation  
Ethernet I/O  
Remote data acquisition  
Communications gateway  
PLC and operator interface

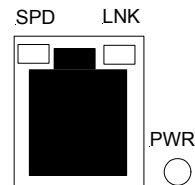
Process control  
Motion control  
Environmental control  
Machine monitoring  
Factory floor Ethernet networks

**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 the 2-position pluggable terminal block for convenience. Table 1 shows the RJ45 pinouts and Table 2 shows the LED indicators.

**Table 1**

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



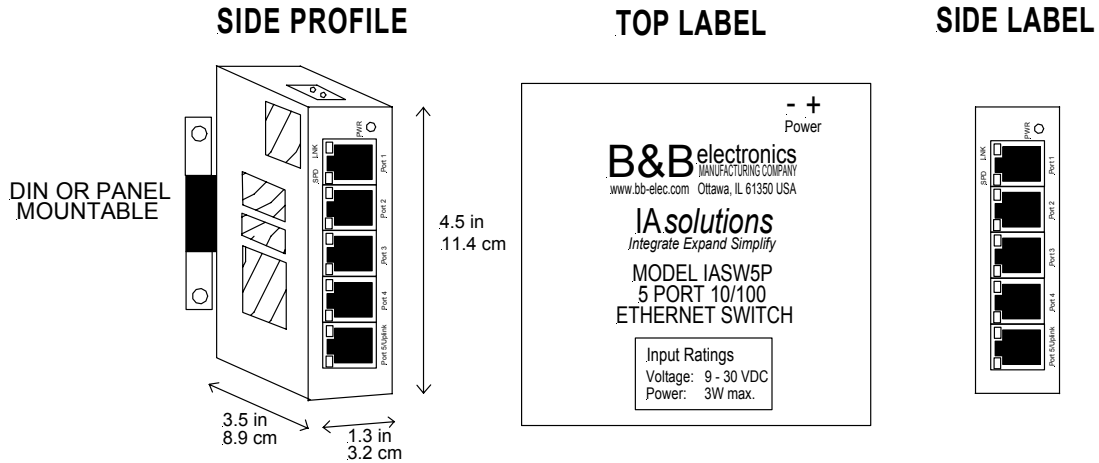
**Table 2**

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



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**Specification Summary**

- Switch Type:** Full IEEE 802.3 and 802.3u compliant  
Unmanaged Layer 2
- Main Features:** Store-and-forward scheme for packet transfer  
Broadcast storm protection  
Automatic address learning, aging, and migration  
Full duplex support and half duplex back-pressure flow control  
Aggressive back off in half duplex mode to enhance performance
- Speed:** Autodetecting 10/100 Mbps
- LED:** Per port speed indicator  
Per port activity indicator  
Per unit power indicator
- Frame Buffer:** 64KB share by all ports
- MAC Buffer:** 1K (automatic learning, aging, and migration)
- Isolation:** 1500 VDC isolation magnetics
- Bandwidth:** 1.4 Gbps high performance memory bandwidth
- Connections:** 5 RJ45 female jacks (auto MDI/MDIX crossover)  
2-position pluggable terminal block
- Power Required:** 9 – 30 VDC @ 3 W maximum
- Approval:** FCC Class A, CE
- Temperature:** 0 to 70°C
- Dimensions:** 4.5 x 3.5 x 1.3 in (11.4 x 8.9 x 3.2 cm)

**DECLARATION OF CONFORMITY**

Manufacturer's Name: B&B Electronics Manufacturing Company  
 Manufacturer's Address: P.O. Box 1040  
 707 Dayton Road  
 Ottawa, IL 61350 USA  
 Model Number: IASW5P  
 Description: 5 Port Industrial 10/100 Ethernet Switch  
 Type: Light industrial ITE equipment  
 Application of Council Directive: 89/336/EEC  
 Standards: EN 55022  
 EN 61000-6-1  
 EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)

  
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