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Find the *B and B Electronics IASW5P* at our website: *Click HERE*

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B&B ELECTRONICS

PRODUCT INFORMATION



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.

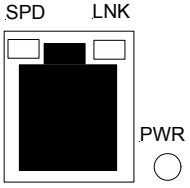


Table 1

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

B&B electronics MANUFACTURING COMPANY

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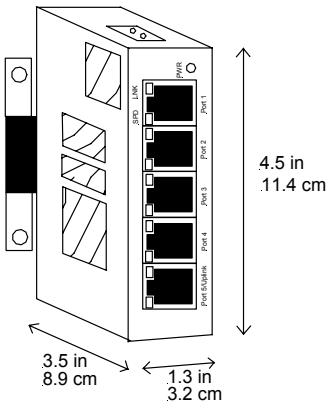
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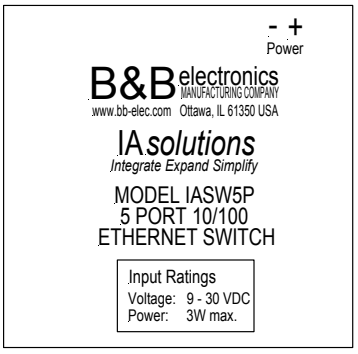
B&B ELECTRONICS

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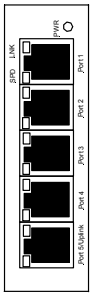
SIDE PROFILE



TOP LABEL



SIDE LABEL



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)

Robert M. Paratore, Director of Engineering

CE

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