ASI

Your Source for Automation Components

ASI AES5B and AES8B series of industrial Ethernet switches are industrial 5 and 8 port Ethernet switches that support IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX auto-sensing RJ45 ports. The AES5B/AES8B switches are rated at temperatures from -10 to +60˚C. The switches can easily be installed on a DIN rail as well as six different panel mount options. The DIN rail mounting capability, wide operating temperature range and the IP30 housing with LED indicators make the plug and play AES5B and AES8B switches easy to use and reliable. The switches feature dual power inputs, 12 to 36 Vdc and 10 to 24 Vac. ASI XCSD15C (24Vdc,0.6 A) and ASIXCSD30C (24Vdc,1.2 A) Power Supplies are available (sold separately). Other models are available on special request.

- Super compact design, less than 1" wide
- 5 or 8 copper ports
- UL Class I/Division 2 Groups A, B, C and D
- Designed to meet Level 3 (Heavy) industrial environments
- EN61000-6-2 certifications
- UL508 Listed, CE, FCC, RoHS
- Supports IEEE 802.3, 802.3u and 802.3x standards
- Shock, vibration and free fall tested
- Dual power inputs, 12 to 36 Vdc and 10 to 24 Vdc
- IP30 rated housing
- DIN rail mounted, with 6 different panel mounting options

100

75

25
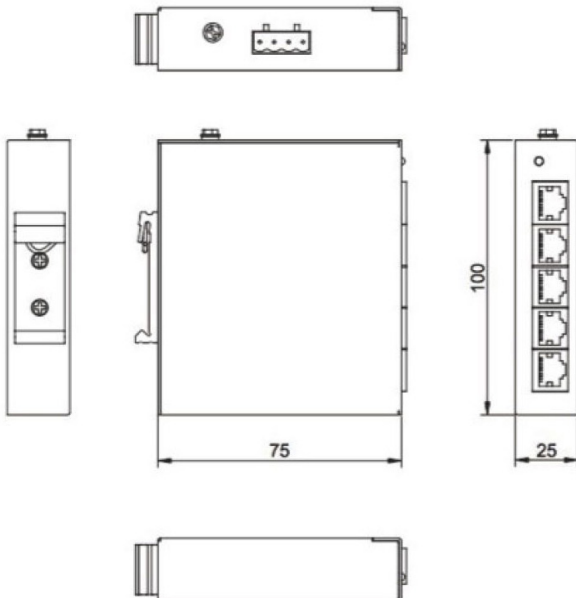
Technology

Standard:	IEEE802.3, 802.3u, 802.3x
Processing Type :	Store and forward with IEEE802.3x full duplex, non-blocking flow control
Protocols :	IEEE802.3x flow control, back pressure flow control

Switch Properties

MAC Table Size:	2K

Interface

RJ45 Port:	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port :	100BaseFX, (multi-mode or single–mode with LC connectors)
LED Indicators:	Power, (Link / Speed / Activity for each port)

Power Requirements

Input Voltage:	12~36VDC
Power Consumption:	4w Max
Input Connection :	Removable Terminal Block
Protection :	Reverse Polarity Protection

Physical Characteristics

Case :	Slim Metal Case, IP30 Design
Dimensions:	25×100×75mm (HES5B) 24×145×75mm (HES8B)
Installation :	DIN Rail or Panel Mounting

Environment Limits

Operating Temp. :	Standard Models: -10 to 60˚C Wide Temp. Models: -40 to 75˚C
Storage Temp. :	-40 to 85˚C
Ambient Relative Humidity :	5 to 95%(Non-condensing)

Optical Fiber

Mode	Multi-mode	Single Mode
Transmission Distance	2km	20km
Centre Wavelength	1310nm	1310nm
Cable Size	62.5/125um	9/125um
TX Power(dBm)	-20~-10dBm	-15~-8dBm
RX Power(dBm)	< -32dBm	< -32dBm
Transmission Rate	100Mbps	100Mbps

Standards and Certifications

Safety:	ANSI/UL508; CSA-C22.2 No. 142
EMI :	FCC Part15, CISPR(EN55022) Class A
EMS:	EN61000-4-2(ESD) Level 3, EN61000-4-3(RS) Level 3, EN61000-4-4(EFT) Level 3, EN61000-4-5(Surge) Level 3, EN61000-4-6(CS) Level 3, EN61000-6-2 UL Class 1, Division 2, Groups A, B, C and D
Freefall: Shock:	IEC 60068-2-32 IEC 60068-2-27
Vibration :	IEC 60068-2-6

Warranty

Warranty Period :	3 years