V1.1 Jun, 2019

IES-180B

Industrial 8-port mini type unmanaged Ethernet switch with 8x10/100Base-T(X)

Features

- Supports 8 ports 10/100 Base-T(X)
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
- Compact size for easily installation
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

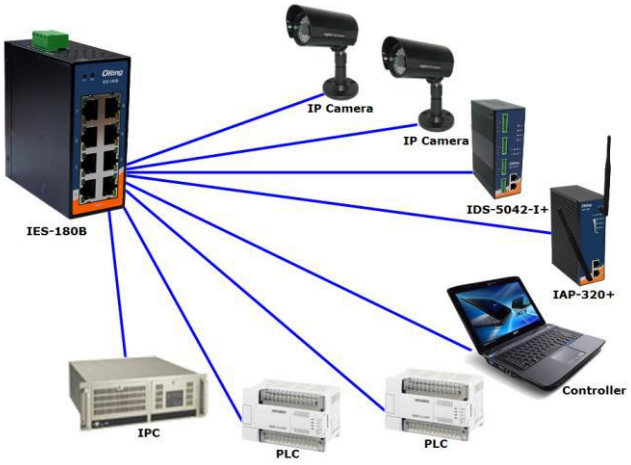
Slim Type | Redundant PWR | -40~75°C Temperature | RoHS | CE | FC

Introduction

IES-180B is unmanaged Ethernet switch with 8x10/100Base-T(X) ports. With very compact size of housing, you can install IES-180B easily. In addition, IES-180B is with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from -40 °C to 75°C is ready and can satisfy most requirement of operation.

Practical Operation

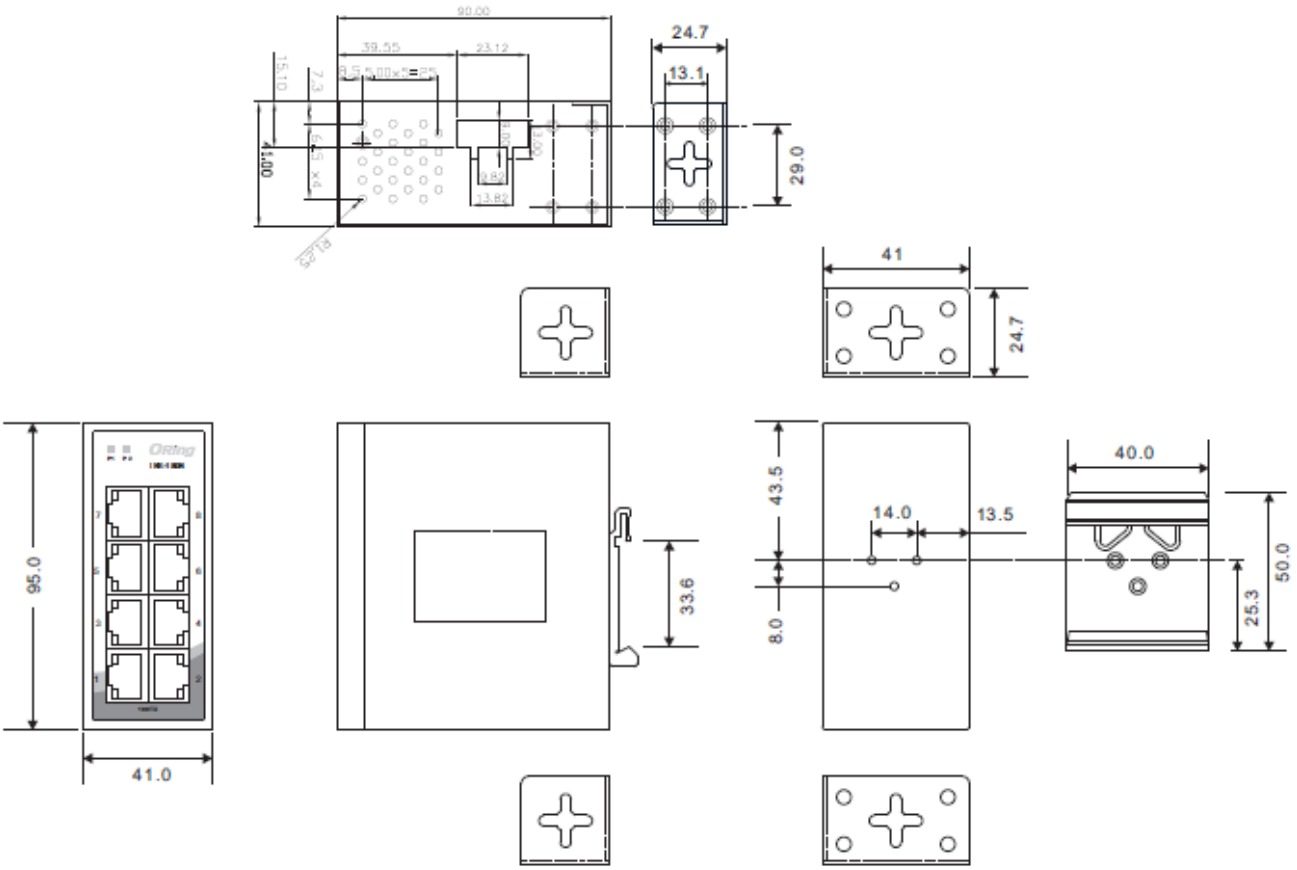
IES-180B can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, its mini size enables easily installation and minimize space requirement.



Connections of Ethernet devices

Dimension

Unit =mm (Tolerance ±0.5mm)



Specifications

ORing Switch Model	IES-180B
Physical Ports	
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	**8**
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for Flow control
MAC Table	1K MAC address
Processing	Store-and-Forward
Switch Latency	<7us
Switch Bandwidth	1Gbps
Packet buffer size	448K bits
LED indicators	
Power Indicator	Green for PWR1, PWR2
10/100Base-T(X) RJ45 Port Indicator	Upper for Link/Act indicator, Green for port Link/Act. Lower for speed indicator, Amber for 100Mbps, OFF for 10Mbps
Power	
Input Power	Dual 12~48 VDC voltage power input on 4-pin terminal block
Power Consumption (Typ.)	4W
Overload Current Protection	Present
Reverse Polarity Protection	Present
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	41 (W) x 90 (D) x 95 (H)mm (1.61 x 3.54 x 3.74 inch)
Weight (g)	334 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55024, EN 55032), FCC Part 15 B
EMI	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A
EMS	EN 55024 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS),IEC/EN 61000-4-4 (EFT), IEC/EN 61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8(PFMF), IEC/EN 61000-4-11 (DIP))
Shock	IEC60068-2-27
Free Fall	IEC60068-2-31
Vibration	IEC60068-2-6
Safety	EN60950-1
MTBF	1390019 hrs
Warranty	5 years

H/W version: V2

Ordering Information

IES-1**A**B**B**

Code Definition	10/100Base-T(X) Port Number	Additional Port Number
Option	**- 8:** 8 ports	**- 0:** 0 port

Available Model	Model Name	Description
	IES-180B	Industrial 8-port mini type unmanaged Ethernet switch with 8x10/100Base-T(X)

Packing List

- **IES-180B x 1**
- **Quick Installation Guide x 1**
- **Din-Rail Kit x 1**
- **Wall-mount Kit x 1**

Optional Accessories

- **PAE-121000, 12VDC/1000mA 12W Power Adapter with universal 100 to 240VAC input, EU plug**
- **PAA-121000, 12VDC/1000mA 12W Power Adapter with universal 100 to 240VAC input, US plug**
- **DR/SDR/DRP Series DIN-Rail power supply**