

IES-2F8E-P

Industrial Gigabit PoE Switch with 2 SFP Slots and 8 PoE+ RJ45 Ports

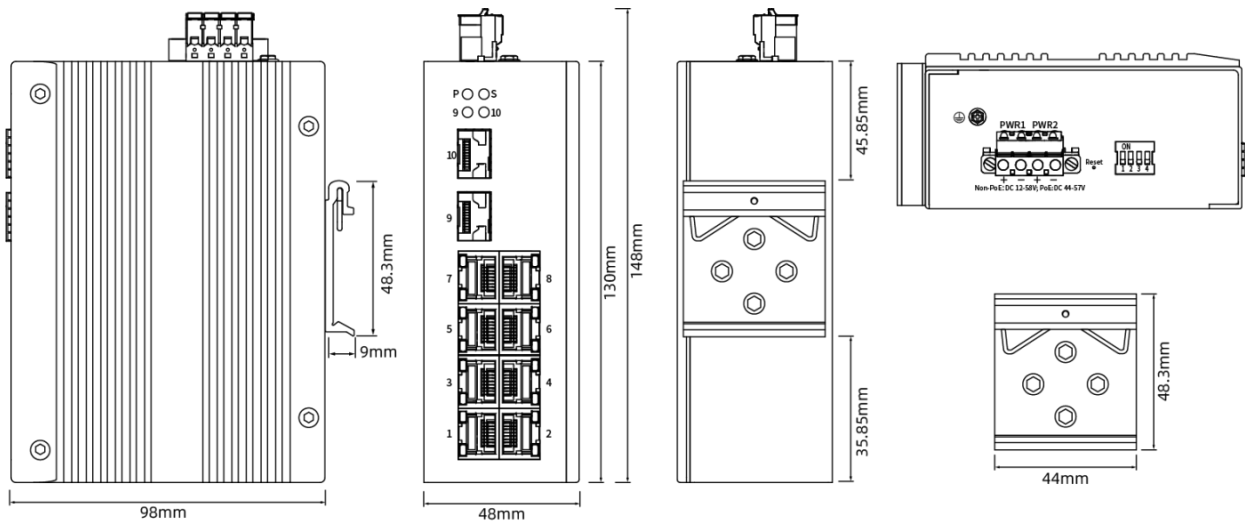
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Key Features

- 8 × 10/100/1000Base-T ports and 2 × 1000Base-X SFP slots
- 8 built-in PoE+ ports compliant with IEEE 802.3af/at
- DC 44-57V dual redundant power inputs
- Power inputs with reverse-polarity protection
- Supports QoS, port isolation, long-distance transmission and remote PD reboot
- 4KV surge protection; 8KV contact ESD and 15KV air-discharge ESD protection
- Robust EMC/EMI performance for reliable operation in demanding electromagnetic environments
- IP40-rated, fanless DIN-rail design
- Operating temperature: -40°C to 75°C
- PoE+ power budget up to 240W at full load



Dimensions



Specifications	
Ethernet Interfaces	2 × 1G SFP slots and 8 × 10/100/1000BASE-T auto-negotiating PoE+ RJ45 ports
P: Power LED	On: Power supply normal; Off: No power input or power supply fault

Specifications	
S: System Alarm LED	On: Load power exceeds 90% of rated power Flashing: Load power is above 50% and below 90% of rated power Off: Load power is below 50% of rated power
9-10: Fibre Port LEDs	On: Link up Flashing: Data transmission or reception Off: Link down
1-8: PoE Port LEDs	Yellow (PoE) Green (Link/ACT)
1-8: PoE Port LEDs	On: PoE operating normally Off: No PoE output On: Link up Off: Link down Flashing: Data transmission or reception
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z 1000Base-X Ethernet IEEE 802.3af PoE IEEE 802.3at PoE+
DIP Switch Functions	1: Port Isolation 2: 250m Long-Distance Transmission at 10M (Ports 1-4) 3: QoS (Ports 1-2) 4: Remote PD Reboot
Switching Performance	
Switching Capacity	20Gbps
Packet Forwarding Rate	29.76Mpps
MAC Address Table	4K
Packet Buffer	2Mbit
Jumbo Frame	Supports 10 KB
VLAN	Supported
MDI/MDI-X	Supported
Watchdog	Supported
Forwarding Latency	<5us
PoE Features	
PoE Ports	1-8
PoE Standards	802.3af, 802.3at
PoE Pin Assignment	1/2+, 3/6- (802.3af, 802.3at)
Maximum Per-Port PoE Power	802.3af: 15.4W 802.3at: 30W
PoE Short-Circuit Protection	Supported
Power Specifications	
Power Input Connector	Removable 4-pin screw terminal block, 5.08mm pitch, dual redundant inputs
Input Current	5.7A Max
Operating Voltage	44-57VDC(802.3af) 52-57VDC(802.3at)
Reverse-Polarity Protection	Supported
Power Consumption	Full load without PoE ≤6W PoE Budget ≤240W
Mechanical Specifications	
Enclosure	Metal
IP Rating	IP40
Weight	0.65kg
Mounting	DIN-rail mounting; wall mounting (optional)
Dimensions (W x H x D)	48x130x98(mm)
Cooling	Fanless design, natural convection
Temperature	Operating temperature: -40°C-75°C Storage temperature: -40°C-85°C

Mechanical Specifications	
Humidity	Operating humidity: 10%-90%RH, non-condensing Storage humidity: 5%-95%RH, non-condensing
Reliability and Delivery	
MTBF	MTBF: 429288 hours Standard: Telcordia (Bellcore), GB
Warranty Period	3 years
Package Contents	Device: 1 unit Cables: Power cord (optional); power adapter (optional) Mounting hardware: Wall-mount brackets (optional); optical transceivers (optional) Documentation: User manual, warranty card and certificate of conformity
Optional Accessories	SFP module: Gigabit single-mode BiDi LC (SC): 20km, 40km, 60km or longer Gigabit single-mode dual-fibre LC: 20km, 40km, 60km or longer Gigabit multimode dual-fibre LC: 550m Power supply: Desktop or DIN-rail-mount