

IES-1F2E-P

Industrial Gigabit PoE Media Converter with 1 SC Port and 2 RJ45 Ports

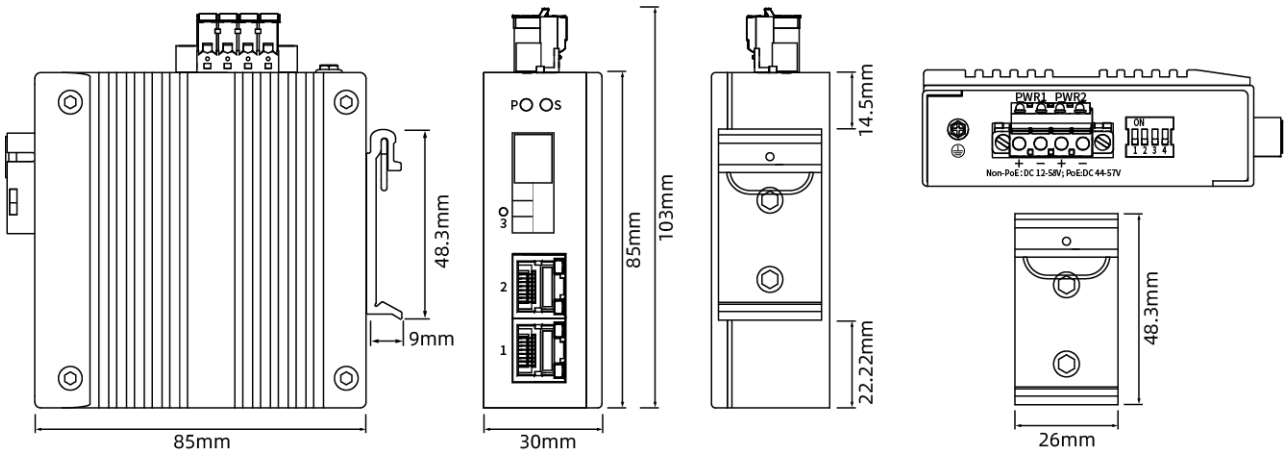
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Key Features

- 2 × 10/100/1000Base-T ports and 1 × 1000Base-X SC fibre port
- 2 built-in PoE+ ports compliant with IEEE 802.3af/at
- DC 44-57V dual redundant power inputs
- Power inputs with reverse-polarity protection
- Supports port isolation, fibre port speed selection, 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 range: -40°C to 75°C
- PoE+ power budget up to 60W at full load



Dimensions



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

Specifications	
3: Fibre Port LED	On: Link up Flashing: Data transmission or reception Off: Link down
1-2: PoE Port LEDs	Yellow (PoE) Green (Link/ACT)
1-2: 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: Fibre Port Speed (ON=100M, OFF=1000M) 3: 250m Long-Distance Transmission at 10M 4: Remote PD Reboot
Switching Performance	
Switching Capacity	6Gbps
Packet Forwarding Rate	8.928Mpps
MAC Address Table	8K
Packet Buffer	1Mbit
Jumbo Frame	Supports 10 KB
VLAN	Supported
MDI/MDI-X	Supported
Watchdog	Supported
Forwarding Latency	<5us
PoE Features	
PoE Ports	1-2
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	1.4A Max
Operating Voltage	44-57VDC(802.3af) 52-57VDC(802.3at)
Reverse-Polarity Protection	Supported
Power Consumption	Full load without PoE ≤2W PoE Budget ≤60W
Mechanical Specifications	
Enclosure	Metal
IP Rating	IP40
Weight	0.36kg
Mounting	DIN-rail mounting; wall mounting (optional)
Dimensions (W x H x D)	30x85x85(mm)
Cooling	Fanless design, natural convection
Temperature	Operating temperature: -40°C-75°C Storage temperature: -40°C-85°C
Humidity	Operating humidity: 10%-90%RH, non-condensing Storage humidity: 5%-95%RH, non-condensing

Power Supply and Optical Transceiver Options	
1×9 Optical Transceiver SC Connector	Gigabit single-mode BiDi SC: 20km, 40km, 60km or longer Gigabit single-mode dual-fibre SC: 20km, 40km, 60km or longer Gigabit multimode dual-fibre SC: 550m
Power Supply	Desktop or DIN-rail-mount
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) Documentation: User manual, warranty card and certificate of conformity