

IES-1F1E

Industrial Gigabit Media Converter with 1 SC Fibre Port and 1 RJ45 Port

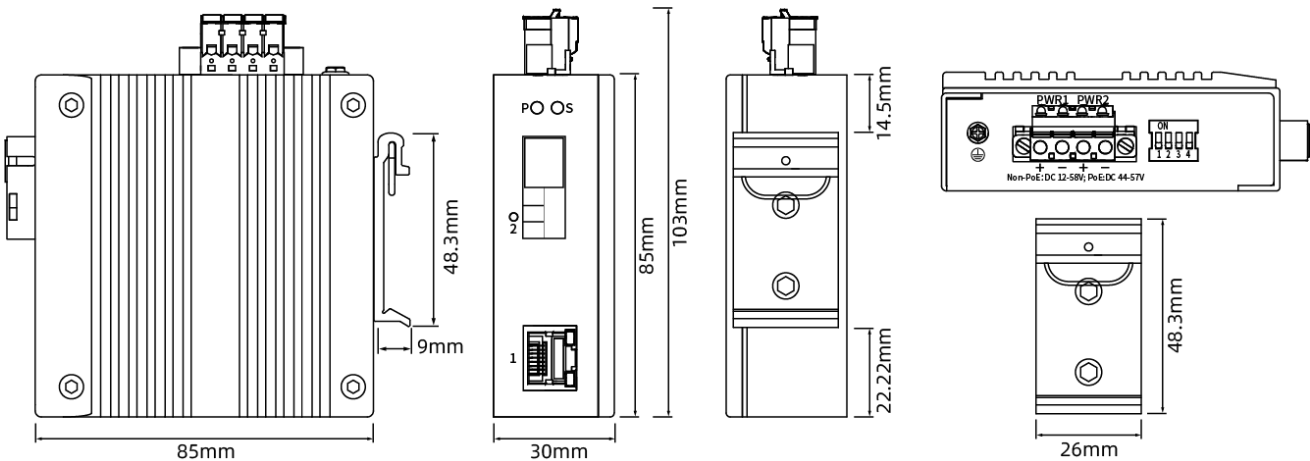
SHENZHEN ERAITOK TECHNOLOGY CO., LTD.

Key Features

- 1 × 10/100/1000Base-T port and 1 × 1000Base-X SC fibre port
- DC 12-58V dual redundant power inputs
- Power inputs with reverse-polarity protection
- Supports LFP, fibre port speed selection, flow control and broadcast storm suppression
- 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



Dimensions



Specifications	
Ethernet Interfaces	1 × 1G SC fibre port and 1 × 10/100/1000BASE-T auto-negotiating RJ45 port
P: Power LED	On: Power supply normal; Off: No power input or power supply fault
S: System Alarm LED	On: Chip read/write fault Off: Device operating normally

Specifications	
2: Fibre Port LED	On: Link up Flashing: Data transmission or reception Off: Link down
1: RJ45 Port LED	Yellow (Speed) Green (Link/ACT)
1: RJ45 Port LED	On: Port operating at 1000M Off: Port operating at 10/100M 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
DIP Switch Functions	1: LFP (Link Fault Pass-Through) 2: Flow Control 3: Broadcast Storm Suppression 4: Fibre Port Speed (ON=100M, OFF=1000M)
Switching Performance	
Switching Capacity	4Gbps
Packet Forwarding Rate	5.952Mpps
MAC Address Table	8K
Packet Buffer	1Mbit
Jumbo Frame	Supports 10 KB
VLAN	Supported
MDI/MDI-X	Supported
Watchdog	Supported
Forwarding Latency	<5us
Power Specifications	
Power Input Connector	Removable 4-pin screw terminal block, 5.08mm pitch, dual redundant inputs
Input Current	0.2A Max
Operating Voltage	12-58VDC
Reverse-Polarity Protection	Supported
Power Consumption	≤2W
Mechanical Specifications	
Enclosure	Metal
IP Rating	IP40
Weight	0.35kg
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