

IES-2F8E-P-M2

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

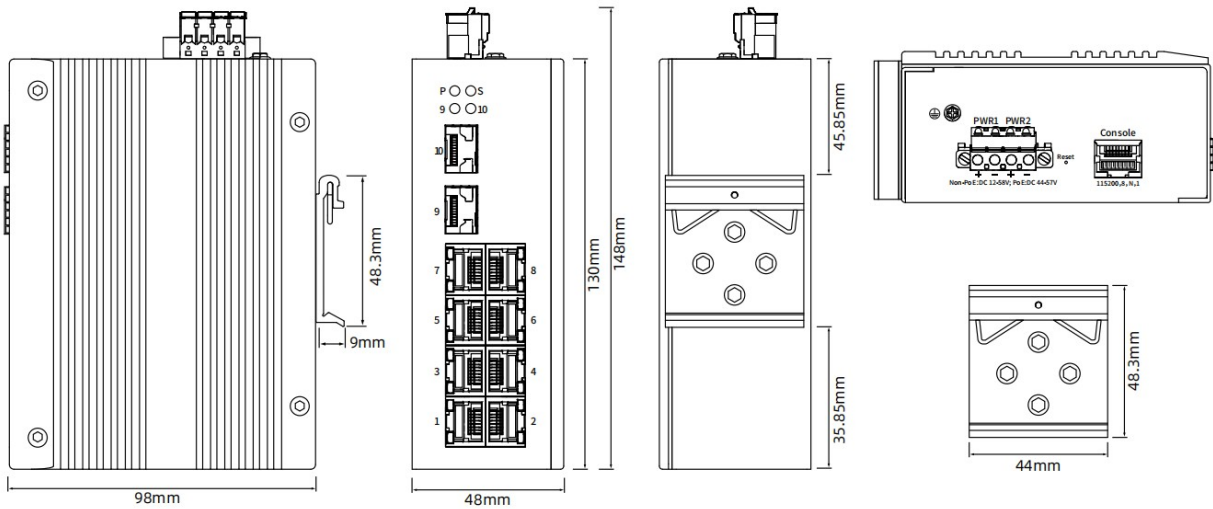
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Key Features

- 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 with reverse-polarity protection
- Supports VLAN/IGMP/QoS/LLDP/802.1X/DDM/IPv6/Web/SNMP/Telnet/TFTP and web-based upgrades
- Supports STP/RSTP and ERPS (recovery time ≤20ms)
- 4KV surge protection; 8KV contact ESD and 15KV air-discharge ESD protection
- 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
Console Interface	RJ45-568B Connector
P: Power LED	On: Power supply normal; Off: No power input or power supply fault

Specifications	
S: System Status LED	On: Device operating normally Flashing: Device initialising Off: Device not powered or device fault
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 802.3x Flow Control and Back Pressure IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1Q VLAN ITU-T G.8032 ERPS IEEE 802.1X Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3ad LACP IEEE 802.3af PoE IEEE 802.3at PoE+
Switching Performance	
Switching Capacity	26Gbps
Packet Forwarding Rate	38.688Mpps
MAC Address Table	16K
Packet Buffer	2Mbit
Jumbo Frame	Supports 10 KB
VLAN	4K
MDI/MDI-X	Supported
Watchdog	Supported
Forwarding Latency	<5us
Software Features	
Link Aggregation	Supports GE link aggregation Supports static link aggregation Supports dynamic link aggregation
Port Features	Supports IEEE 802.3x Flow Control Supports port traffic statistics Port isolation Supports storm control based on a percentage of port rate
PoE	Power delivery supports 802.3af (15.4W) and 802.3at (30W) Supports power on pins 1,2+ and 3,6- Supports PoE power management
MAC Address Table	Static MAC address management Dynamic MAC address management MAC address filtering
VLAN	Supports access, trunk and hybrid modes
Port Mirroring	Many-to-one port mirroring
Layer 2 Redundancy Protocols	Supports STP and IEEE 802.1w RSTP Supports G.8032 ERPS, including single-ring, interconnected sub-ring and multi-ring topologies
Multicast	IGMP snooping
QoS	Ingress port-based rate limiting Egress port-based rate limiting
Security Features	Supports IEEE 802.1X, port-based and MAC-based authentication, and RADIUS

Software Features	
Management and Maintenance	Supports LLDP link discovery Supports user management, login authentication and access privileges Supports SNMP v2c/v3 Supports web management over HTTP 1.1 and HTTPS Supports Syslog with severity-based alarms Supports RMON Supports NTP Supports Telnet Server Supports Telnet Client Supports SSH Server Supports TFTP and web-based firmware upgrades Supports TFTP Client
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 ≤7W 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
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