

EMI-1100-1S4R

10/100/1000M Industrial 1 fiber port+4 RJ45 ports Switch



Product Description

The series support 4*1000Base-T / 1000Base-TX electrical ports and 1*1000Base-X optical port. Products comply with FCC, CE standards. This series switches with -40 °C ~ 85 °C operating temperature, with superior robustness to adapt to a variety of harsh environments, but also can be very conveniently placed in a compact control box. The rail mounting features, wide temperature operation and enclosure with IP40 protection and LED indicators make the series a plug and play industrial grade device that provides a reliable and easy solution for networking your Ethernet equipment.

Product Features

- The use of high-quality optic electronic integrated modules provide good optical and electrical characteristics;
- Ensure reliable data transmission, long working life;
- Supports full-duplex or half-duplex mode with auto-negotiation capability;
- Ethernet port supports automatic cross-identification;
- In-band storage forwarding mechanism to support multiple protocols;
- Meet the carrier-class standards of operation, the average work of trouble-free in more than 50,000 hours;
- Working Power: DC 12-48V provides reverse protection;
- SFP optical interface (optional ST, FC and SFP interfaces)
- Lightning surge surge protection (power): 5000A (8 / 20μs)

Technical Specification

Technical Parameters	Parameter Description
Product Name	1000M 1 Optical port & 4 RJ45 port Industrial Ethernet Switch
Product Model	
Product Description	4 Gigabit RJ45 port + 1 Gigabit optical port Industrial Ethernet switch
Port Description	4 RJ45 ports + 1 optical port
Network protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u; 100Base-TX / FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
RJ45 Port	10/100/1000BaseT (X) Auto Detect, Full/Half Duplex MDI/MDI-X Adaptation
Fiber Port	1000BaseFX Port (SC/FC/ST/LC Optional)
Twisted Pair	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-TX: Cat6 or later UTP (≤100 meter)
Cable	multi-mode: 850nm 0 ~ 550M 1310nm 0 ~ 2KM Single mode: 1310nm 0 ~ 40KM 1550nm 0 ~ 120KM
Switch properties	Application level: Layer 2 Total backplane bandwidth: 10Gbps Whole package forwarding rate: 7.44Mpps MAC table: 8K Packet buffer: 1M Delay time: <4μs Exchange: storage - forwarding
Degree of protection	IP40
LED Indicator	Power Indicator: PWR Interface indicator: electrical port, optical port (Link / ACT)
Power supply	Input voltage: DC12 ~ 48V (dual power redundancy backup) Access terminal: Phoenix terminal Support dual power redundancy Support built-in over current 4.0A protection Support reverse connection protection



Mechanical Features	<p>Shell: metal material</p> <p>Installation: DIN rail rail, wall-mounted installation</p> <p>Size: 143mm (length) x 104mm (width) x 48mm (height)</p> <p>Weight: 0.85kg</p>
Working environment	<p>Operating temperature: -40 ° C ~ + 85 ° C (-40~185 ° F)</p> <p>Storage temperature: -40 ° C ~ + 85 ° C (-40~185 ° F)</p> <p>Relative humidity: 5 ~ 95% (non- condensing)</p>
Industry Standard	<p>EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A.</p> <p>EMS:</p> <p>EN61000-4-2 Anti-static: ± 8KV contact discharge, ± 15KV air discharge</p> <p>EN61000-4-3 Electromagnetic field: 10V / m (80 ~ 1000MHz)</p> <p>EN61000-4-4 Instantaneous high voltage: ± 4KV power cord, ± 2KV data line</p> <p>EN61000-4-5 surge voltage: ± 4KV / CM, ± 2KV / DM power cord, ± 2KV data line</p> <p>EN61000-4-6 anti-conduction: 3V (10KHz ~ 150KHz), 10V (150KHz ~ 80KHz)</p> <p>IEC (EN) 61000-4-16 (Common Mode Conduction): 30V cont. 300V, 1s</p> <p>IEC (EN) 61000-4-8</p> <p>Machinery:</p> <p>IEC60068-2-6 (vibration) IEC60068-2-27 (shock) IEC60068-2-32 (free fall)</p>
MTBF	300,000 hours
Warranty	1-year

Installation dimensions (unit: mm)

