

10 Ports Managed Industrial PoE Switch

8*FE POE+2*GF Industrial PoE Switch

EWIND



- 8*10/100M POE+ 2*1000M SFP ports Managed Industrial PoE Switch, 1-8 ports support IEEE 802.3af/at;
- PoE port support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power: 30W/port;
- Support L2+ full network management, PoE network management and configuration;
- PoE default: 1, 2(+)/3, 6(-)
- Operation TEMP:-40~85°C
- Input voltage: DC48-57V, Redundant dual power 4-bit industrial terminals;
- IP protection level: IP40; Rail-type installation;
- 5 years warranty.

RoHS **CE** **CE**

Introduction

The EW-PIS2710M-8FE is a 10/100M industrial PoE fiber switch. It has 8*10/100M PoE ports and 2*10/100/1000M SFP ports. Port 1-8 can support IEEE 802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 120W (at-240W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP phone, industrial sensor through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy and green energy.

Managed model supports a variety of network redundancy protocol STP/RSTP/MSTP (<50ms). When one-way network fails, communication can be recovered quickly to ensure uninterrupted communication of important applications. EW-PIS2710M-8GE industrial series products fully follow industrial product design and material. The shell adopts aluminum alloy to enhance heat dissipation efficiency, IP40 protection grade, and ensures the stable operation of the equipment in bad environment. According to the actual application needs, through Web, CLI, SNMP network management, POE power supply management, port flow control, VLAN

division, STP, RSTP and other functions of the application service configuration.

TECHNICAL SPECIFICATION

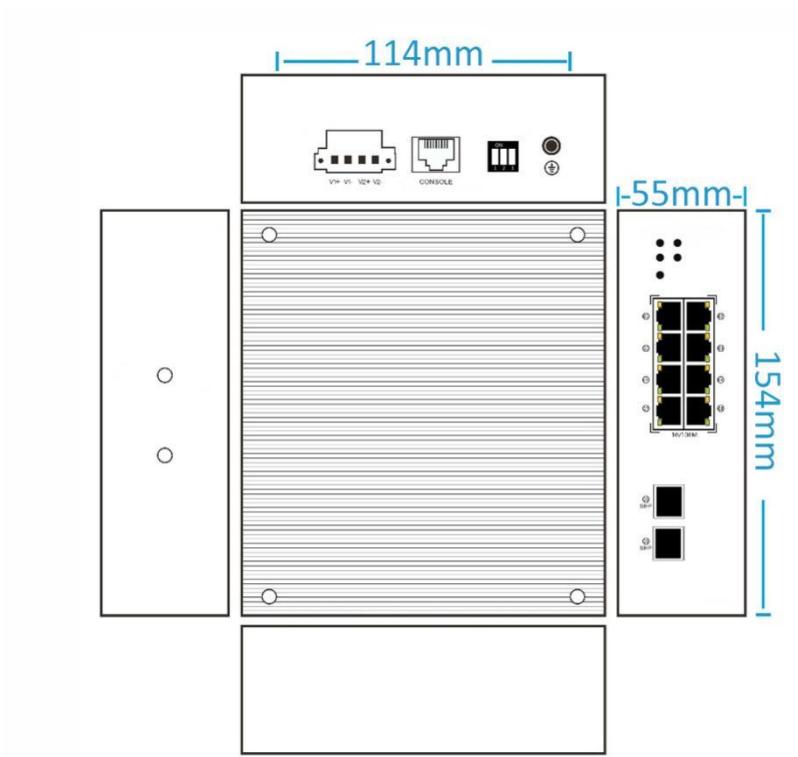
Model	EW-PIS2710M-8FE
Interface	8*10/100Base-TX PoE ports (Data/Power) 2*1000Base-X SFP slot ports (Data) 2 set of V+, V- redundant DC power interface (4 Pin Phoenix terminal)
PoE Port	Port 1-8 supports POE @ IEEE802.3af/at
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
PoE Standard	IEEE802.3af/at
Ethernet Port Feature	Port 1-8 support 10/100Base-TX, Port 9-10 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption
SFP Port Characteristic	Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module.
Forwarding Mode	Store and Forward
Switching Capacity	5.6Gbps (Non-blocking)
Forwarding Rate@64byte	4.17Mpps
MAC	4K
Buffer Memory	4M
Jumbo Frame	10K
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
Optical Cable	Multimode: 850nm 0 ~ 500M, 1310nm 0~2KM; Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Working Voltage	48-57VDC; 4 Pin industrial Phoenix terminal, support anti-reverse protection.
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	120W (48-57VDC)
Power Consumption	Standby:<6W; Full load:<120W
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-8(Link/Act)/ (Orange),9-11(Link/Act)/ (Green); POE indicator: PoE (Green)

Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
Operation TEMP / Humidity	-40~+85°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+125°C;5%~95% RH Non condensing
Dimension	154*114*55mm
Net /Gross Weight	<1.3kg / <1.8 kg
Lightning protection / protection level	<p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV</p> <p>IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022): Class B</p> <p>IEC61000-6-2(Common Industrial Standard)</p>
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	5 years, lifelong maintenance.

Business features (only restricted management function models)	
Port	Support IEEE802.3x flow control (full duplex) Support for broadcast storm suppression based on port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Support port temperature protection settings Support port EEE green Ethernet energy saving configuration
PoE Management	Support total power limit configuration for POE power supply Support PoE output power allocation per port, close / start af/at Support PoE output priority configuration per port Support PoE work status per port display Support power delay start Support PoE work and time scheduling
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Voice VLAN Support for MAC address-based VLANs Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups, each aggregation group supports 8 ports.
Spanning Tree	Support STP (IEEE802.1d) Support STPRSTP (IEEE802.1w) Support STP MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 20ms
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Mirror	Bi-directional traffic mirroring supporting the basic port
QoS	Support Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) Support priority tag Mark/Remark Support stream-based packet filtering Support for stream-based redirection Support flow-based speed limit
ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range,

	<p>VLAN and other definition ACL.</p> <p>Support ACL based on port and VLAN</p>
Safety Characteristics	<p>Support user grading management and password protection</p> <p>Support IEEE802.1X authentication / centralized MAC address authentication</p> <p>Support AAA&RADIUS authentication</p> <p>Support the number of MAC address learning restrictions</p> <p>Support MAC address black hole</p> <p>Support SSH 2.0 to provide secure passwords for user login.</p> <p>Support SSL to ensure data transmission security</p> <p>Support port isolation</p> <p>Support the speed limit function of ARP message</p> <p>Support IP source address protection</p> <p>Support ARP intrusion detection function</p> <p>Support against DoS attacks</p> <p>Support port broadcast message suppression</p> <p>Support host data backup mechanism</p> <p>Binding capabilities of IP+MAC+VLAN+ ports</p>
DHCP	<p>Support DHCP Client</p> <p>Support DHCP Snooping</p> <p>Support DHCP Serve</p> <p>Support DHCP Relay</p>
Management and Maintenance	<p>Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration</p> <p>Support WEB network management (HTTPS)</p> <p>Support FTP, TFTP, Xmodem, SFTP file download management</p> <p>Support SNMP V1/V2C/V3</p> <p>Support one bond reduction</p> <p>Support NTP clock</p> <p>Support system work log</p> <p>Support Ping detection</p> <p>Support cable state detection</p> <p>Support CPU instant utilization status view</p> <p>Support link layer discovery protocol LLDP</p> <p>Support NMS intelligent management center</p>
System Requirements	<p>Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;</p> <p>Cat5e or later Ethernet cable;</p> <p>TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on every computer in the network.</p>

DIMENSION



APPLICATION



PACKING LIST

CONTENT	QTY	UNIT
10 Ports Managed Industrial PoE Switch with Gigabit SFP Uplink (EW-PIS2710M-8FE)	1	SET
User Guide	1	PC
Warranty Card	1	PC