

12 Ports Full Gigabit Managed Industrial PoE Switch

8*GE POE+4*GF Managed Industrial PoE Switch

EWIND



- 10*10/100/1000M + 4*1000M SFP fiber Port 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;
- Only support 1,2(+)/3,6(-);
- Support L2+ full network management, PoE network management and configuration;
- Switching capacity:24Gbps, MAC table:16K;
- Input voltage: DC48-57V, Redundant dual power 6-bit industrial terminals;
- IP protection level: IP40; Rail-type installation;
- 5 years warranty.

RoHS **FC** **CE**

Introduction

The EW-PIS3712M-8GE Industrial Switch provides superior industrial quality with high/low temperature and lightning protection through fan less cooling circuit design, wide operating temperature range and high protection level. It also integrates rich functions such as switching, security and management. Support for the public Ethernet Ring Protection Protocol (ERPS), greatly improving the flexibility and availability of networking, and enhancing the reliability and security of industrial networks.

TECHNICAL SPECIFICATION

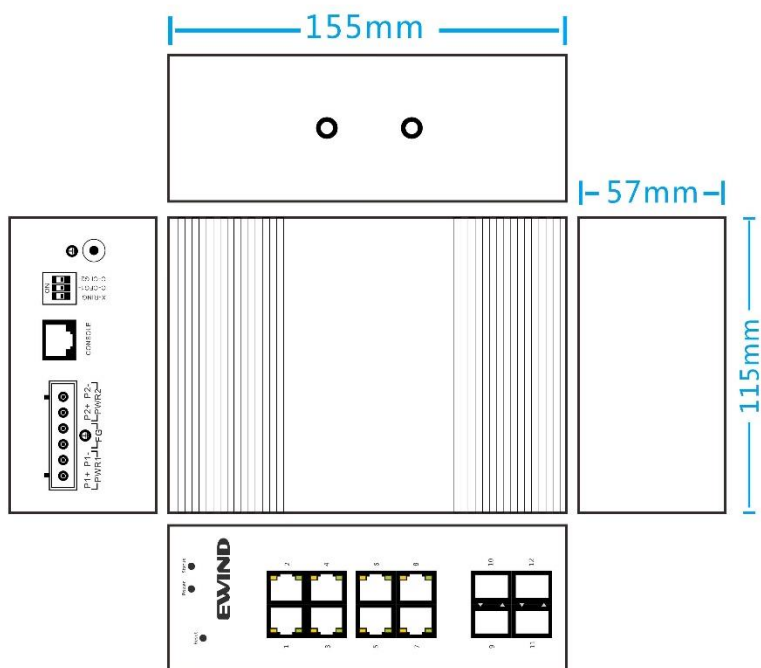
Model	EW-PIS3712M-8GE
Interface	8*10/100/1000Base-T PoE ports (Data/Power) 4*100/1000Base-X uplink SFP slot ports (Data) 1 * RS232 console port(115200, N,8,1) 2 set of V+, V- redundant DC power interface (6 Pin Phoenix terminal) Single-pole double throw switch (FAULT)
Chipset/CPU	MARVELL 98DX223Sx1+88E1680/5x1
Flash	HYNIX HY27UF084G2B 512MB
Boot ROM	2M
Memory	SAMSUNG K4B2G1646C 256MB

PoE Port	Port 1-8 supports POE @ IEEE802.3af/at
Network Management Type	L2+
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	10/100/1000Base-T, 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 (Full Wire Speed)
Switching Capacity	24Gbps (Non-blocking)
Forwarding Rate@ 64byte	17.9Mpps
MAC	16K
Buffer Memory	12M
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; Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Power Supply Pin	Only support 1/2 (+), 3/6 (-) 4-core power supply
Working Voltage	48-57VDC; 6 Pin industrial Phoenix terminal, support anti-reverse protection.
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	240W (48-57VDC)
Power Consumption	Standby:<12W; Full load:<240W
LED Indicator	System indicator: SYS (green); Network Indicator: Link (yellow); SFP Indicator: L/A (green); PoE Indicator: PoE (green)
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
Reset Switch	Yes, One-button factory reset
Operation TEMP / Humidity	-40~+75°C; 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C; 5%~95% RH Non condensing
Dimension	155*115*57mm
Net /Gross Weight	<1.3kg / <1.5kg
Surge	IEC 61000-4-5 Level 3

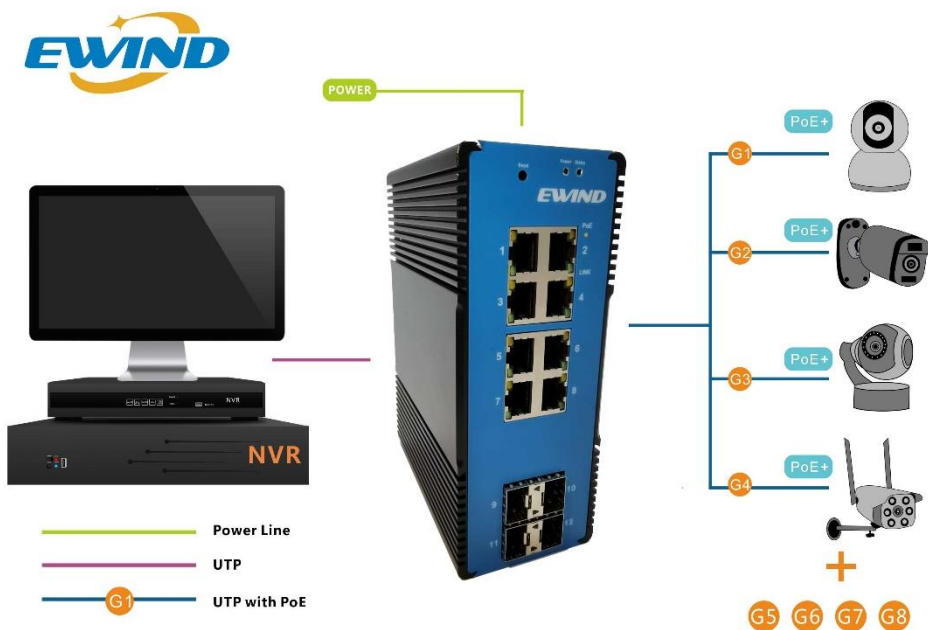
EFT	IEC 61000-4-4 Level 3	
Mechanical Properties	IEC60068-2-6 (anti vibration) IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)	
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;	
Warranty	5 years, lifelong maintenance.	
Parameters	Sub-parameters	PIS3712M-8GE
Switch Features	Link Aggregation	GE Port aggregation
		Static Aggregation
		Dynamic Aggregation (LACP)
	Port Features	IEEE 802.3x flow control)
		Interface counters
		Storm control
	Mac-address table	IEEE 802.1Q
		MAC address capacity: 16K
		MAC address automatic learning and aging
		Static mac-address
		Dynamic mac-address
	VLAN	Filtering mac-address
		4094 VLANs
		Port-based VLAN
	QINQ	Support access port , trunk port, hybrid port
		Port-based QinQ
		VLAN-based QinQ
	Mirror	Flow-based QinQ
		N:1 Port-based mirror
		STP
	Spanning Tree	RSTP
MSTP		
ERPS(G.8032)		
Layer 2 Multicast	Single Ring	
	Multi-Ring	
	Load balance	
Router Features	Support IGMP snooping;	
	IGMP V1,V2,V3	
	Static ARP	
ARP	Dynamic ARP	
	ARP proxy	
	IPV4	
Security Features	Static Routing	
	Blackhole Routing	
	IP Standard ACL	
ACL	MAC extend ACL	
	IP extend ACL	

	QoS	QoS Class, Remarking
		Support SP, WRR queue scheduling
		Ingress Port-based Rate-limit
		Egress Port-based Rate-limit
		Policy-based QoS
		Eight queues per port
	Dot1x	Authentication based port
Authentication based MAC		
RADIUS service		
DHCP Snooping	Trust port	
Management Features	User management	Login authentication
	SNMP	SNMPV2C
	Web management	Support
	Firmware Upgrade	Support
	Syslog/Debug	Support
	Telnet	Telnet Server
		Telnet Client
TFTP	TFTP Client	

DIMENSION



APPLICATION



PACKING LIST

CONTENT	QTY	UNIT
12 Ports Full Gigabit Managed Industrial PoE Switch (EW-PIS3712M-8GE)	1	SET
User Guide	1	PC
Warranty Card	1	PC