

12 Port Full Gigabit Managed Industrial Ethernet Switch

8*GE + 4*GF Managed Industrial Ethernet Switch

EWIND



- 10*10/100/1000M RJ45+ 4*100/1000M SFP fiber Port Industrial Ethernet Switch;
- Support L2+ full network management;
- Switching capacity: 52Gbps,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-IS3712M Industrial Ethernet 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

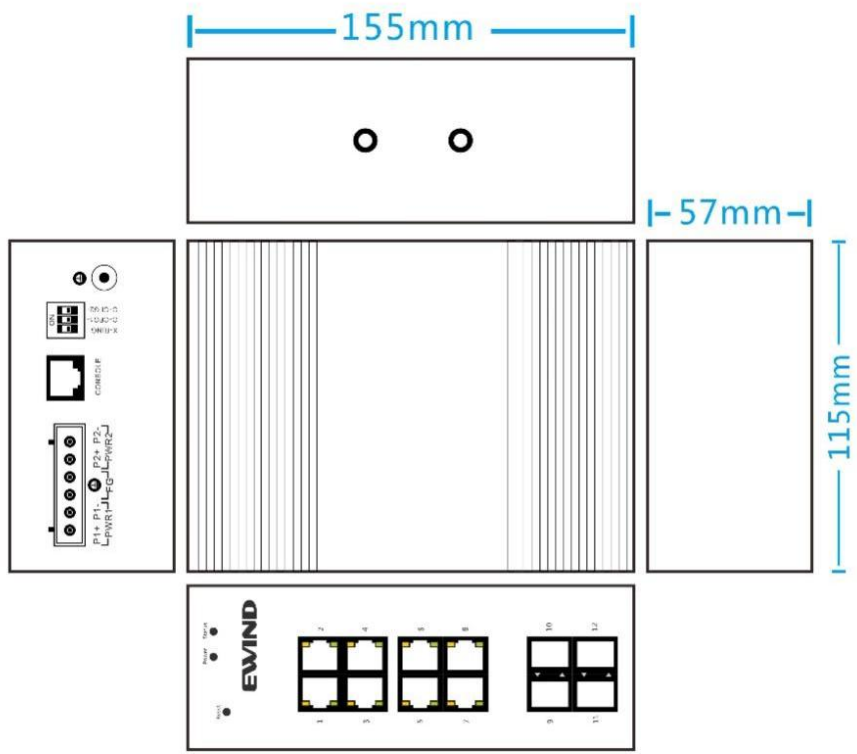
Model	EW-IS3712M
Interface	8*10/100/1000Base-T RJ45 ports (Data) 4*100/1000Base-X uplink SFP slot ports (Data) 1 * RS232 console port(115200, N,8,1) 2 set of V+, V- redundant DC power interface (6 Pin Phoenix terminal) Single-pole double throw switch (FAULT)
Chipset/CPU	MARVELL 98DX223Sx1+88E1680/5x1
Flash	HYNIX HY27UF084G2B 512MB
Boot ROM	2M

Memory	SAMSUNG K4B2G1646C 256MB
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
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
Switching Capacity	52Gbps (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.
Working Voltage	48-57VDC; 6 Pin industrial Phoenix terminal, support anti-reverse protection.
Power Consumption	Standby:<7W; Full load:<240W
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-8(Link/Act)/ (Orange),9-10(Link/Act)/ (Green); POE indicator: PoE (Green)
Reset Switch	Yes, One-button factory reset
Operation TEMP / Humidity	-40~+85°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+125°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	EC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-5(Lightning protection/Surge): Power:CM±4kV/DM±2kV; Port: ±4kV
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	5 years, lifelong maintenance.

Parameters	Sub-parameters	IS3712M
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
		Spanning Tree
	RSTP	
MSTP		
ERPS(G.8032)	Single Ring	
	Multi-Ring	
	Load balance	
Layer 2 Multicast	Support IGMP snooping;	
	IGMP V1,V2,V3	
Router Features	ARP	Static ARP
		Dynamic ARP
		ARP proxy
	IPV4	Static Routing
Blackhole Routing		
Security Features	ACL	IP Standard 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 Ethernet Switch (EW-IS3712M)	1	SET
User Guide	1	PC
Warranty Card	1	PC