20 Ports Managed Industrial Ethernet Switch

16*GE+4*GF Gigabit Managed Industrial Ethernet Switch

- 16*10/100/1000M RJ45+ 4*100/1000M SFP fiber Port Industrial Ethernet Switch
- Support L2+ full network management;
- Switching capacity: 158Gbps,MAC table: 32K;
- Input voltage:DC12-57V,Redundant dual power 6-bit industrial terminals;
- IP protection level: IP40; Rail-type installation;
- 5 years warranty.

RoHS FC CE

Introduction

Industrial grade EW-IS3620M is an access switch independently developed by our company， It has 4*1000 Base-X SFP， 16*10/100/1000 Base-T. SFP optical port supports 1000M full duplex mode； The RJ45 electrical port can work at 10M, 100M， 1000M, Full or half duplex mode， The optical module has single mode/multi mode, single fiber/double fiber. Dual fiber requires two-core fiber to transmit one Ethernet signal， A single fiber can transmit one Ethernet signal with only one core fiber. Transmission distance: multimode: 2KM; single mode: 20/40/80/120KM (optional).

The switch is composed of RJ45 twisted pair interface and SPF optical interface， Used to connect twisted pair and fiber. It is characterized by the electrical port can be straight line / cross line adaptive, can be full duplex, but also half duplex mode. The SFP interface can be inserted into SFP optical modules and electrical modules according to user requirements. The switch has good stability and reliability, and the management functions are complete， Including QoS, VLAN, igmp snooping/GMRP, Port Trunking, SNMP V1/V2, etc., multiple protection protocols improve network reliability.

RODUCTS FEATURES

- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z standards

- Each port supports full-duplex 802.3x flow control and half-duplex backpressure flow control
- 4*1000 Base-X SFP，16*10/100/1000 Base-T adaptive RJ45 port，Auto MDIMDIX
- All ports support half/full duplex mode automatic adaptation
- Support port mirroring, support SNTP protocol
- Support for MAC filtering, MAC address binding, 802.1X authentication
- Storage-forwarding switching mode
- Flow control switch, turn on or off flow control function
- Supporting MAC Address Self-learning
- -40 ~ 75°C operating temperature range
- Fanless design, rail mounted
- 12~48VDC dual power supply, flexible input
- Industrial grade standard design, IP 40 grade protection, corrugated high strength housing
- Fanless energy-saving design, good heat dissipation guarantees stable operation for a long time
- Dynamic LED indicator showing device operating status and providing simple troubleshooting

STRONG COMPATILIBITY

- 4*1000 Base-X SFP，16*10/100/1000 Base-T adaptive port，It can integrate 10 Mbps, 100 Mbps and 1000 Mbps network devices in the same network perfectly.

EXCELLENT PERFORMANCE

- Gigabit ports can automatically adapt to full-duplex or half-duplex mode.Can achieve a bidirectional transfer rate of up to 2000Mbps per port， Increase bandwidth and reduce access latency for connections between clients, truly meeting the needs of sharing high-bandwidth multimedia files, videos or other high-speed applications on the network;
- MAC address self-learning function to ensure data-free transmission；
- Store-and-forward switching mode to prevent damaged packets from spreading across the network；
- The flow control function can prevent the impact of instantaneous large amount of data on the network and ensure the efficient and stable operation of your network.

Plug and Play

- The product is a management switch, and it can work normally without any configuration when it is used
- Each port supports Auto-MDI/MDIX auto-flip function, so you no longer have to worry about cable type.

CONVENIENT MAINTANCE

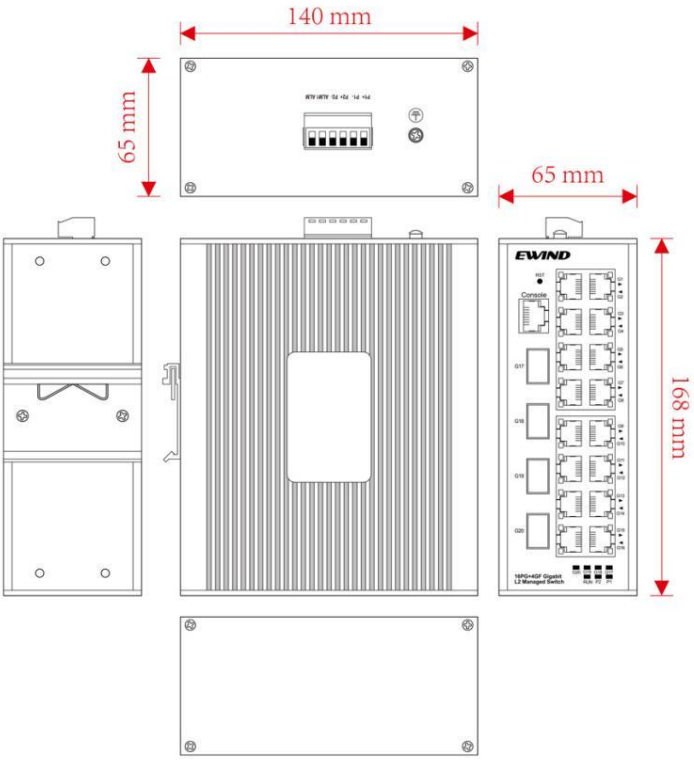
- The LED indicator lamp on the front panel of the switch can dynamically display the connection and operation status of the equipment, and provide a simple fault detection method for easy maintenance.

TECHNICAL SPECIFICATION

Model	EW-IS3620M
Interface	16*10/100/1000M RJ45 ports (Data/Power); 4*100/1000M uplink SFP+ fiber slot ports (Data); 1*Console RS232 port (115200,N,8,1); 2 sets of V+, V- redundant DC power interface (6 Pin Phoenix terminal)
switching capacity	158Gbps
Packet forwarding rate	58Mpps
Size	168mm×140mm×65mm
working temperature	-40~75°C
Storage temperature	-40~85°C
Working humidity	10% ~ 90% no condensation
Storage humidity	5% ~ 95% no condensation
VLAN	Maximum support for 4096 VLANs
Twisted Pair Transmission	Support port-based VLAN
Optical Cable	VLAN Supporting 802.1Q Standard
spanning tree	Support RSTP Fast Spanning Tree Protocol
Ring network	Supporting Fast Loop Networks
Port aggregation	Support static aggregation

Port mirroring	Support multi-to-one port mirroring without restriction on the number of mirror source ports
Loop Guard	Supporting Loop Detection/Loop Avoidance
Port flow control	Supporting half-duplex control based on backpressure
line rate	Support port-based input/output bandwidth management
IGMP Snooping	Support IGMP Snooping
DHCP	Support DHCP Client
Storm suppression	Supporting suppression of broadcasting, multicast, unicast, etc
Negotiation mode	Support port auto-negotiation (self-negotiation transmission rate and duplex mode)
system maintenance	Supporting profile upload/download
	Support upgrade package upload
	Support WEB to restore factory configuration
	Support System Logging Function
Network management	Support WEB interface management, CONSOLE

DIMENSION



APPLICATION

PACKING LIST

CONTENT	QTY	UNIT
20 Ports Full Gigabit Managed Industrial Ethernet Switch (EW-IS3620M)	1	SET
User Guide	1	PC
Warranty Card	1	PC