

MISCOM7020G

20 Full Gigabit Ports Rack-mount Layer 2 Managed Industrial Ethernet Switch

Product description

MISCOM7020G series layer 2 full Gigabit industrial Ethernet switch is a high-performance Ethernet communication product developed by Maiwe for industrial communication. The product uses high-performance industrial-grade switch chip, supports 4 Gigabit light + 16 Gigabit RJ45 ports with AC220V/DC110V industrial power input, which can improve the stability of network communication and save wiring. The MISCOM7020G series products can meet the high-end requirements of the smart grid especially in the industrial application environment and the communication performance of the equipment.



Features:

- Support 4 Gigabit Fx ports+16 Gigabit Tx ports
- Support status display with front and back side indicator lights
- Support MW-Ring patent redundancy technique (failure recovery time <20ms)
- Support static multicast filtering, IGMP Snooping
- Supports broadcast storm suppression and port rate control
- Support isolated power supply, optional dual redundant power supply
- Support power off, fiber off, storm and other status relay alarm output
- Support managed function such as VLAN, QoS, Trunking, and port mirroring
- Wide temperature range design, fanless thermal design
- Satisfy harsh industrial environment

Product specification

Software function

Switch Properties	Supports Rate limit, Trunking, flow control, VLAN Support IEEE 802.1Q VLAN Support broadcast storm suppression
Redundancy Protocols	Support MW-Ring patent redundancy technique (failure recovery time <20ms) Support STP/RSTP
Multicast	Support v1/v2/v3, IGMP Snooping Support GMRP and static multicast filtering
Security	Support IEEE 802.1x, HTTP, RADIUS, user grading and MAC address binding
Service quality management	Support SP and WRR queuing. Support QoS setting
IP address management	Support DHCP server
Management and maintenance	Supports CLI, Web management methods, LLDP and SNMPv4 Support SNMPv1/v2c, ACL Support software updating Supports the IP/MAC address conflict alarm Support power off, power alarm, port alarm Support port mirroring; Support log viewing Support Link-check and NTP Support accept and transfer frame statistics

Technical Parameters

Protocol Standard	IEEE802.3, IEEE802.3u (100Base-TX&100Base-FX), IEEE802.3x (Flow control), IEEE802.3ab (1000Base-T), IEEE802.3z(1000Base-LX), IEEE802.1D(STP), IEEE802.1w (RSTP), IEEE802.1Q (VLAN), IEEE802.1p (Priority), IEEE802.1x(Access control)
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Switch capability

Priority Queues	8
VLAN Number	4096
IGMP multicast group	512
MAC Table Size	16k
Backplane bandwidth	40Gbps
Switch delay	<5μs

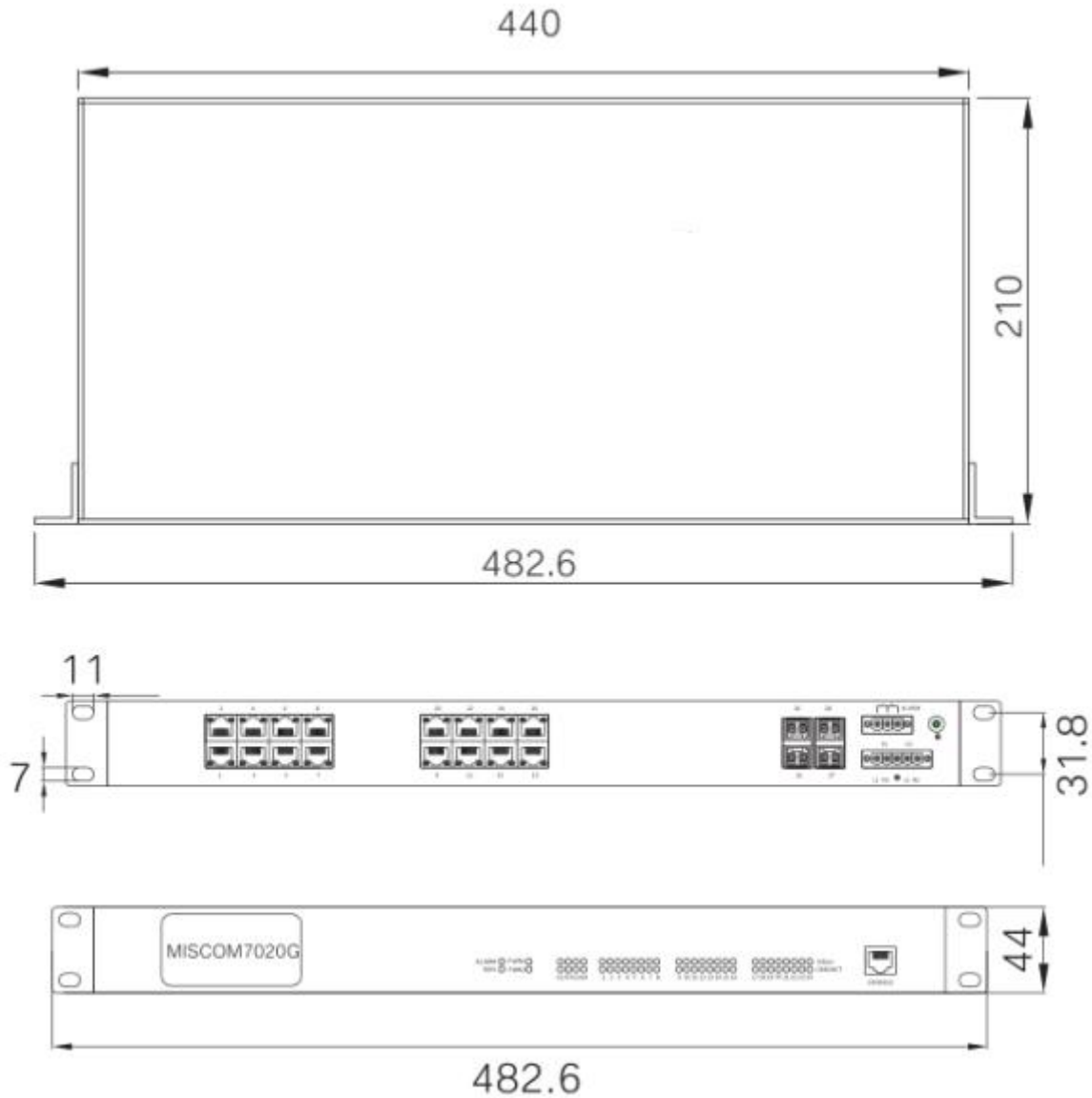
Interface

Gigabit ports	Port numbers:20
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	Connector: SFP fiber port(LC connector, single-mode/multimode) & Self-adaption 10/100/1000M-TX
	Baud rate:1000Base-LX (optical port), Self-adaption 10/100/1000MBase-TX
Console port	RS232, RJ45
Terminal block for relay alarm	5.08mm terminal block, 1A@24VDC
Terminal block for power input	5.08mm terminal block
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	Gigabit multi-mode: 850nm, 500m
Single-mode fiber	Gigabit single-mode: 1310nm, 20km
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT; SPEED
	System work light: SYS
	Power status light:PWR1;PWR2;PWR
	Alarm light: ALARM
Back panel LED lights	RJ45 Port light: LINK/ACT;SPEED
	Fiber light: LINK/ACT
	Power status light:PWR1;PWR2;PWR
	System work light: SYS
Power	
Input power	AC/DC220V(85-264VAC/110-370VDC)
Power consumption	<15W@(MAX)
Overload protection	Support
Reverse protection	Support
Working Environment	
Operating Temperature	-40°C~85°C
Storage temperature	-45°C~85°C
Ambient Humidity	5%~95%
Physical Characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	Standard 19-inch rack mounting,

	Support front and rear outlet installation
Dimension	482.6mm×44mm×210mm
Industry standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty	5 Years
Certification	
Certification	CE, FCC, RoHS

Dimensional drawing



Rack mounting (unit: mm)

Ordering information

MISCOM7020G-4GF-16GT-AD220

4 Gigabit Fx ports +16 10/100M Gigabit Tx ports, layer 2 full Gigabit managed rack-mount industrial Ethernet switch, single AC85-264V/ DC110~370V isolated power supply.