

## MISCOM7028GX

### 28 ports full Gigabit rack-mounted layer 2 managed industrial Ethernet switch

#### Product description

The MISCOM7028GX series layer 2 full Gigabit managed industrial Ethernet switch is a high-performance Ethernet communication product developed for industrial communication. The product uses high-performance industrial-grade switch chip. It supports 8 Gigabit Combo ports +20 Gigabit SFP ports with AC220V/DC110V power input. It can improve network communication stability with wiring saved. The MISCOM7028GX series products can meet the high-end requirements of the industrial application environment and the communication performance especially for the smart grid.



## Features:

- 8 Gigabit Combo ports+20 Gigabit SFP 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 power off, fiber off, storm and other status relay alarm output
- Support isolated power supply, optional dual redundant power supply
- 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, IEEE 802.1Q VLAN and broadcast storm suppression
Redundancy Protocols	Support MW-Ring patent redundancy technique (failure recovery time <20ms) Support MSTP/RSTP
Multicast	Support IGMP v1/v2/v3, IGMP Snooping Support GMRP, static multicast filtering
Security	Support IEEE 802.1x,HTTP,RADIUS,user grading and MAC address binding
Service quality management	Supports SP and WRR queuing. Support QoS setting
IP address management	Support DHCP server
Management and maintenance	Supports CLI, Web management methods, LLDP and SNTpv4 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)
<b>Switch capability</b>	
Priority Queues	8
VLAN Number	4096
IGMP multicast group	512
MAC Table Size	16K
Backplane bandwidth	56Gbps
Switch Delay	<5μs
<b>Interface</b>	
Gigabit ports	Port numbers: 28
	Connector: SFP fiber port(LC connector, single-mode/multi-mode) & Self-adaption 10/100/1000MBase-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
<b>Communication distance</b>	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	Gigabit multi-mode: 850nm, 500m
Single-mode fiber	Gigabit single-mode: 1310nm, 20km
<b>LED indicator lights</b>	
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	<40W@(MAX)
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support

## Working Environment

Operating Temperature	-40°C~70°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
Dimension	482.6mm×44mm×315mm

## 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

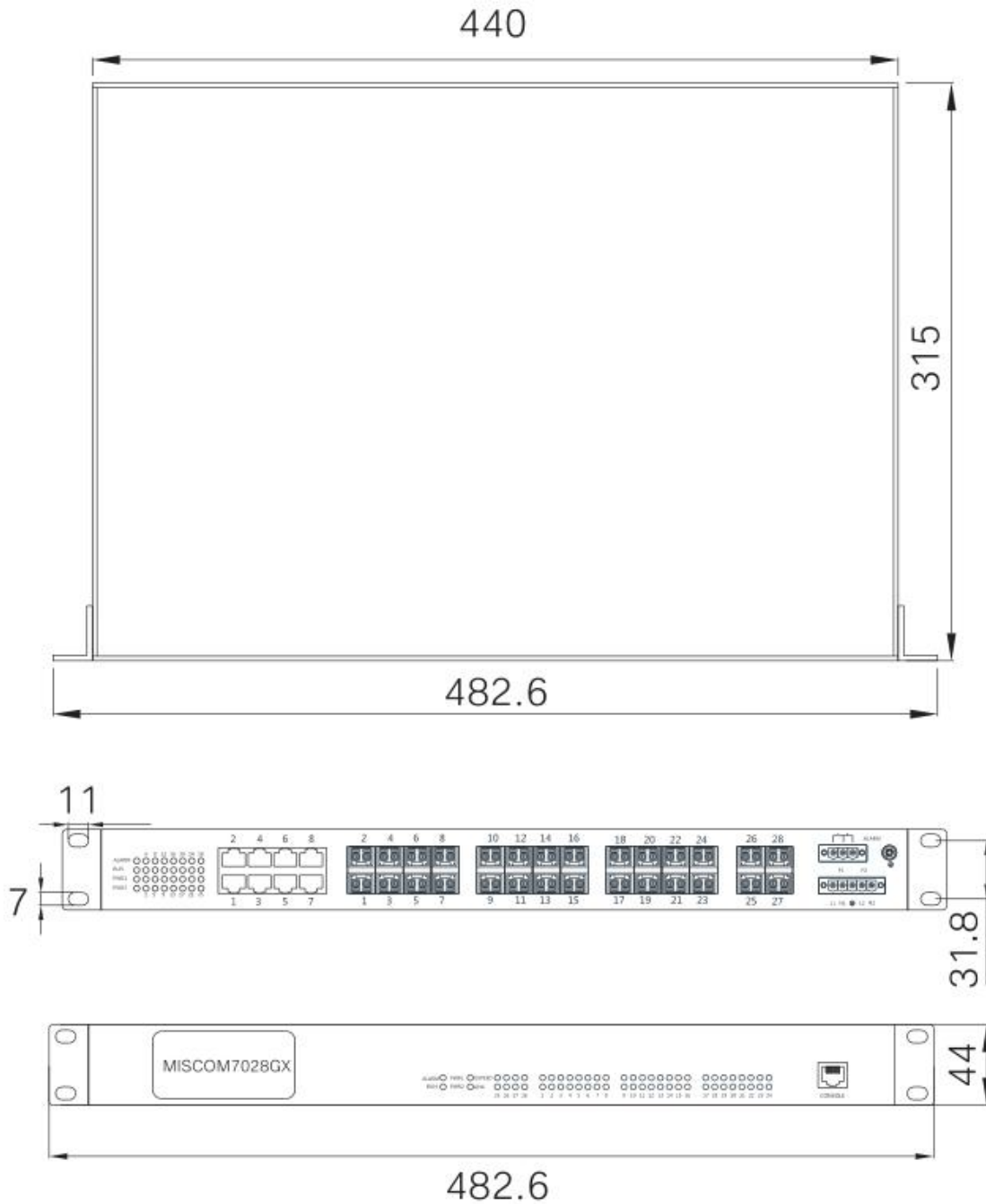
## Warranty

Warranty	5 Years
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## Certification

Certification	CE, FCC, RoHS
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## Dimensional drawing



Rack mounting (unit: mm)

## Ordering information

MISCOM7028GX-8GC-20GF-AD220

8 Gigabit Combo ports +20 Gigabit Fx ports, single AC85-264V/  
DC110~370V isolate power supply