

## MISCOM8028GX-20GF-8GC

### 28-Port Full Gigabit Industrial Ethernet Switch

#### Product description

MISCOM8028GX layer 3 full Gigabit Industrial Ethernet Switch is a high-performance Ethernet communication product developed by Maiwe for industrial communication. MISCOM8028GX supports 8 Gigabit combo ports + 20 Gigabit Fx ports. The MISCOM8028GX is a 19-inch rack mount that supports front panel mounting and rear panel mounting. Except Layer 2 software features such as port, VLAN, multicast, QoS, and fast redundancy ring, MISCOM8028GX also supports static and dynamic routing and multicast routing, supports multiple management modes of Console and Web, as well as network management software of the host computer, it can provide high performance and highly reliable solutions for industrial communications.



#### Features:

- 8 Gigabit combo port + 20 Gigabit SFP port.
- Support RIP/OSPF/PIM Layer 3 Routing Protocol
- Support MW-Ring/MSTP/VRRP/EAPS for network redundancy
- Support multiple management methods and network centralized management
- Single rib type fanless design
- Front and rear indicator design
- IEC61850-3 certified, meet State Grid Class A standard

## Product specification

### Software performance

Switch Function	Support VLAN Support GVRP Support port aggregation. Support flow control. Support Rate limit Support broadcast storm suppression. Support VRRP/EAPS
Redundancy protocol	Support MW-Ring and the recovery time<20 ms. Support RSTP/MSTP and compatible with STP Support IGMP snooping/ IGMP v1/v2/v3
Multicast Routing	Support GMRP Support static multicast. Support RIPv1/v2/RIPng/OSPFv1/v2
Unicast Routing	Support Static Routing Support PIM-SM/PIM-DM/PIM-DMv6
Service quality management	Support ACL and L2-L4 data Filter Support SP/ WRR queuing
IP management	Support DHCP server/relay/client
Management and maintenance	Support Console/Telnet/and Web management methods Support SNMPv1/v2c / MWview centralized management Support FTP/TFTP file transfer and software update Support power failure alarm/power alarm/ port link down alarm/ring alarm Support port mirroring/Syslog/ LLDP/ SNTP

### Technical specifications

Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protoco IEEE802.1Q -VLAN Tagging IEEE802.1s Multiple Spanning Tree Protocol IEEE802.1p -Class of Service IEEE802.1X-Port Based Network Access Control GVRP/RIPv1/v2&OSPFv1/v2/v3/VRRP/DHCP/CLI/EAPS/Qos/LACP/LLDP/IGMP/PIM/ SNMP/SNTP/SSH
-------------------	--

### Switch properties

Priority queue	8
VLAN ID	4096
IGMP Groups	512
MAC table	16k
Switch Bandwidth	56Gbps
Route Table	8k
Switch Delay	<5μs

## Interface

	Port numbers: 28
Gigabit ports	Connector: SFP for fiber port(LC, single or multi-mode), RJ45 for copper port Baud rate: 1000Base-LX(fiber port), 10/100/1000M for copper port
Console port	RS232/ RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block, 1A@24VDC

## Communication distance

Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	Gigabit multi-mode: 850nm, 550m
Single mode fiber	Gigabit single mode: 1310nm, 20km

## LED indicator lights

	Port light: LINK/ACT; SPEED
Front panel LED	Running light: RUN Power LED: PWR1, PWR2 Alarm LED: Alarm
Rear panel LED	RJ45 LED: LINK/ACT; SPEED Fiber LED: LINK/ACT

## Power Requirements

Power input	AC/DC220V(85-264VAC/110-370VDC)
Full-load consumption	<40W
Overload protection	Support
Reverse protection	Support
Redundancy	Support

protection

## Working Environment

Operating Temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%( non-condensing)

## Physical Characteristics

Shell	IP40 protection, aluminum alloy shell
Installation	19" 1U rack mounted for front and rear outlet installation
Dimension	482.6 mmx44mmx315mm

## 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

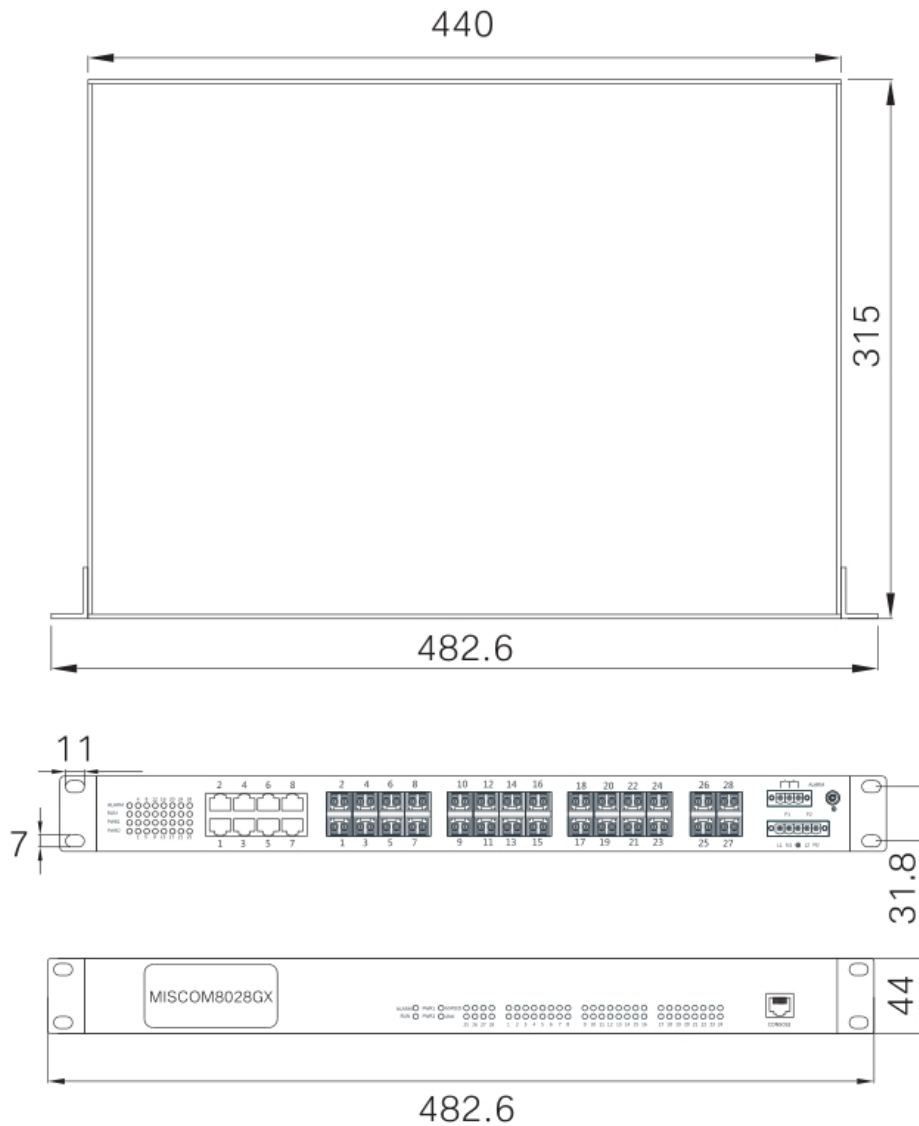
## Warranty

Warranty period	5 Years
-----------------	---------

## Certification

Certification	CE, FCC, RoHS
---------------	---------------

## Dimensional drawing



Rack mounting (Unit: mm)

## Ordering Information

MISCOM8028GX-8G 8 Gigabit combo ports +20 Gigabit Fx ports, layer 3 full Gigabit rack-mounted industrial Ethernet switch, single AC85-264V/ DC110~370V isolated power supply.