

MISCOM8028GX-4XGF-8GC-16GF

28-port layer 3 10-Gigabit full fiber ports rack mount Industrial Ethernet Switch

Product description

MISCOM8028GX-4XGF-8GC-16GF layer 3 10G Industrial Ethernet Switch is a high-performance Ethernet communication product developed for industrial communication. MISCOM8028GX-4XGF-8GC-16GF supports 4 10G fiber ports + 8 Gigabit combo ports + 16 Gigabit fiber ports interface configuration. It is a 19-inch rack mounted switch which supports front panel mounting and Rear panel installation. In addition it riches Layer 2 software features such as port, VLAN, multicast, QoS, and fast redundancy ring, MISCOM8028GX-4XGF-8GC-16GF supports static and dynamic routing, multicast routing, and supports multiple management of Console and Web. It provides high performance and high reliability solutions for industrial communication.



Features:

- Supports 4 10-Gigabit Fx ports + 8 Gigabit combo ports + 16 Gigabit Fx ports;
- Support RIP, OSPF, PIM Layer 3 routing protocols;
- Supports multiple redundant networking mechanisms such as MW-Ring, MSTP, VRRP, and EAPS;
- Support multiple management methods to support centralized network management;
- Single rib type fanless design;
- Front and rear indicator design;
- It conforms to the IEC61850-3 standard and conforms to the national network A standard.

Product specification

Software performance

Switch Function	Support VLAN, GVRP Support port speed limit Support storm suppression Support port aggregation Support port flow control
Redundancy protocol	Support VRRP, EAPS Support MW-Ring ring network technology Support MSTP/RSTP, compatible with STP
Multicast routing	Support IGMP v1/v2/v3, IGMP Snooping Support GMRP Support for static multicast
Routing technology	Support RIPv1/v2, RIPng, OSPFv1/v2 Support static routing protocol Support PIM-SM, PIM-DM
Service quality management	Support ACL to filter L2-L7 layer data Support SP, WRR queue scheduling
Management and maintenance	Support Console, Telnet, WEB management mode, RMON Support SNMPv1/v2c, which can be managed centrally through MWview Support FTP, TFTP file transfer and software upgrade Supports power failure alarms, power alarms, port alarms, and ring alarms. Support port mirroring, Syslog, LLDP, RTC, SNTPv4 IP supports DHCP server/relay/client

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 Protocol, 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
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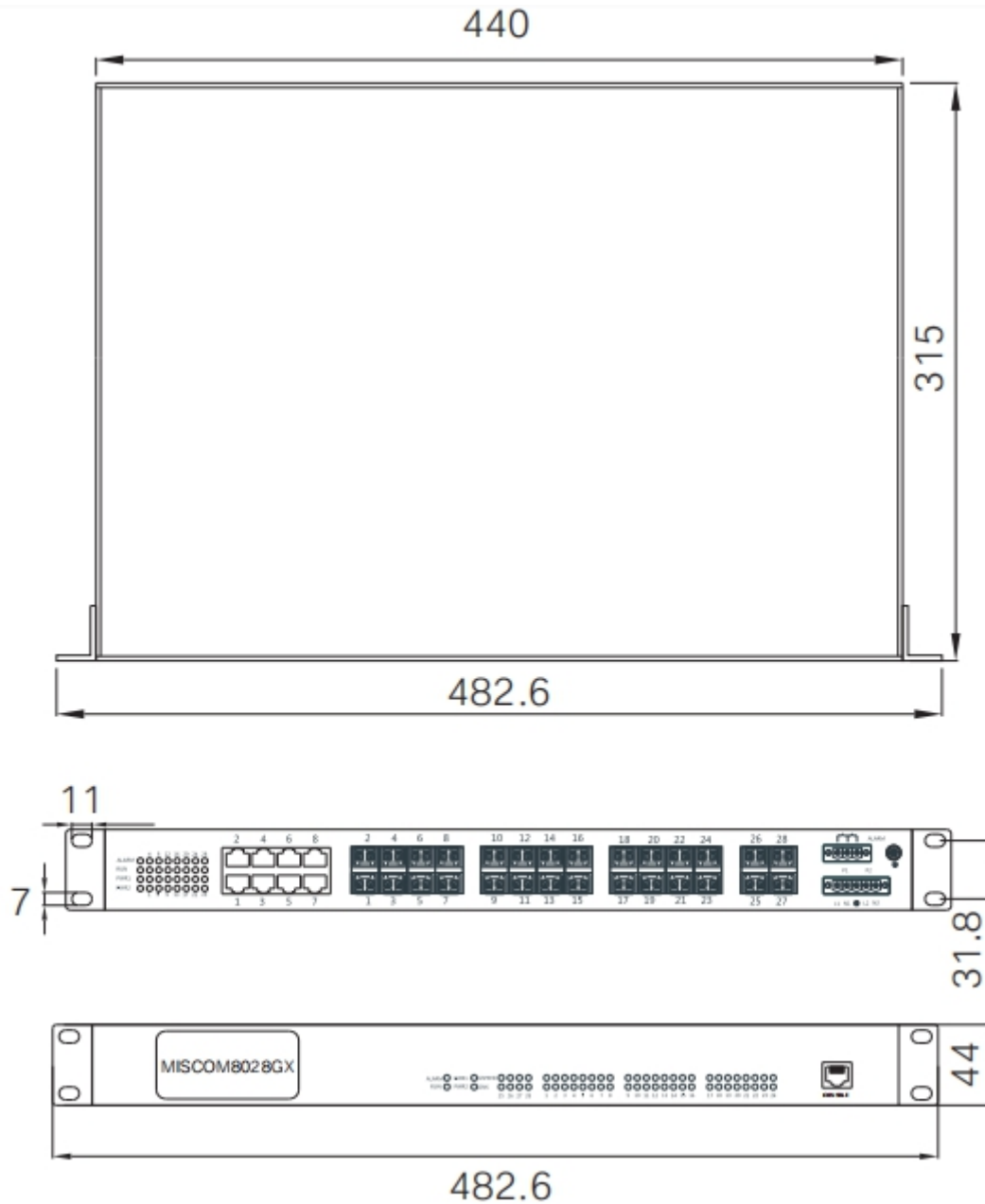
Switch properties

Priority queue	8
VLAN number	4096
IGMP multicast groups	512
MAC address	16K
Switch Bandwidth	128Gbps
Route Table	16K

Switch Delay	<5 μ s
Interface	
10-Gigabit ports	Port numbers: 4
	Connector: SFP type Fx port
	Baud rate:10G Base-Lx (Fx port)
Gigabit ports	Port numbers: 24
	Connector: 16 Gigabit Fx ports +8 Gigabit combo ports
	Baud rate: 1000Base-Lx (Fx port), 10/100/1000M adaptive Tx 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 (standard CAT5/CAT5e cable)
Multimode fiber	Gigabit multi mode: 850nm 550m
Single mode fiber	Gigabit single mode: 1310nm 20km
LED indicator lights	
Front panel LED	Port light: LINK/ACT;SPEED
	Running light: RUN
	Power LED: PWR1/ PWR2
	Alarm LED: AIARM
Back panel LED	RJ45 Tx port light: LINK/ACT; SPEED
	Fiber indicator: LINK/ACT
Power Requirements	
Power input	AC/DC220V(85-264VAC/110-370VDC)
Full-load consumption	<40W@full load
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support
Working Environment	
Operating	-40°C~85°C

Temperature	
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%(non-condensing)
Physical Characteristics	
Shell	IP40 protection,aluminium alloy shell
Installation	19" 1U rack mounted for front and rear outlet installation
Dimension	482.6mm*44mm*315mm (W*H*D)
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 mount (Unit: mm)

Ordering Information

MISCOM8028GX-4XG
F-8GC-16GF-AD220

4 10-Gigabit Fx ports +16 Gigabit Fx ports +8 Gigabit combo ports, layer 3 managed rack mounted Industrial Ethernet switch, single AC85 ~264V/ DC110 ~370V isolate power supply.