MISCOM8028G-4XGF-8GC-16GT

28-port layer 3 10-Gigabit rack mount industrial Ethernet switch

Product description

MISCOM8028G-4XGF-8GC-16GT layer 3 10G industrial Ethernet switch is a high-performance Ethernet communication product developed for industrial communication. MISCOM8028G-4XGF-8GC-16GT supports 4 10G fiber ports + 8 Gigabit combo ports + 16 Gigabit Copper ports, it is 19-inch rack mounted, supports front panel mounting and rear Panel mounting. In addition to rich Layer 2 software features such as port, VLAN, multicast, QoS, and fast redundancy ring, MISCOM8028G-4XGF-8GC-16GT also 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 4x10G Gigabit SFP ports + 8 Gigabit combo ports + 16 Gigabit Tx ports interface configurations
- 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 China national network A standard

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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 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 number	4096
MAC table	16K
IGMP multicast groups	512
Switch Bandwidth	128Gbps
Route Table	16K

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Switch Delay	<5μs
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: 8 Gigabit combo ports +16 Gigabit Tx port
	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: AlARM
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	<30W@full load
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support
Working Environment	
Operating	-40°C~70°C

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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

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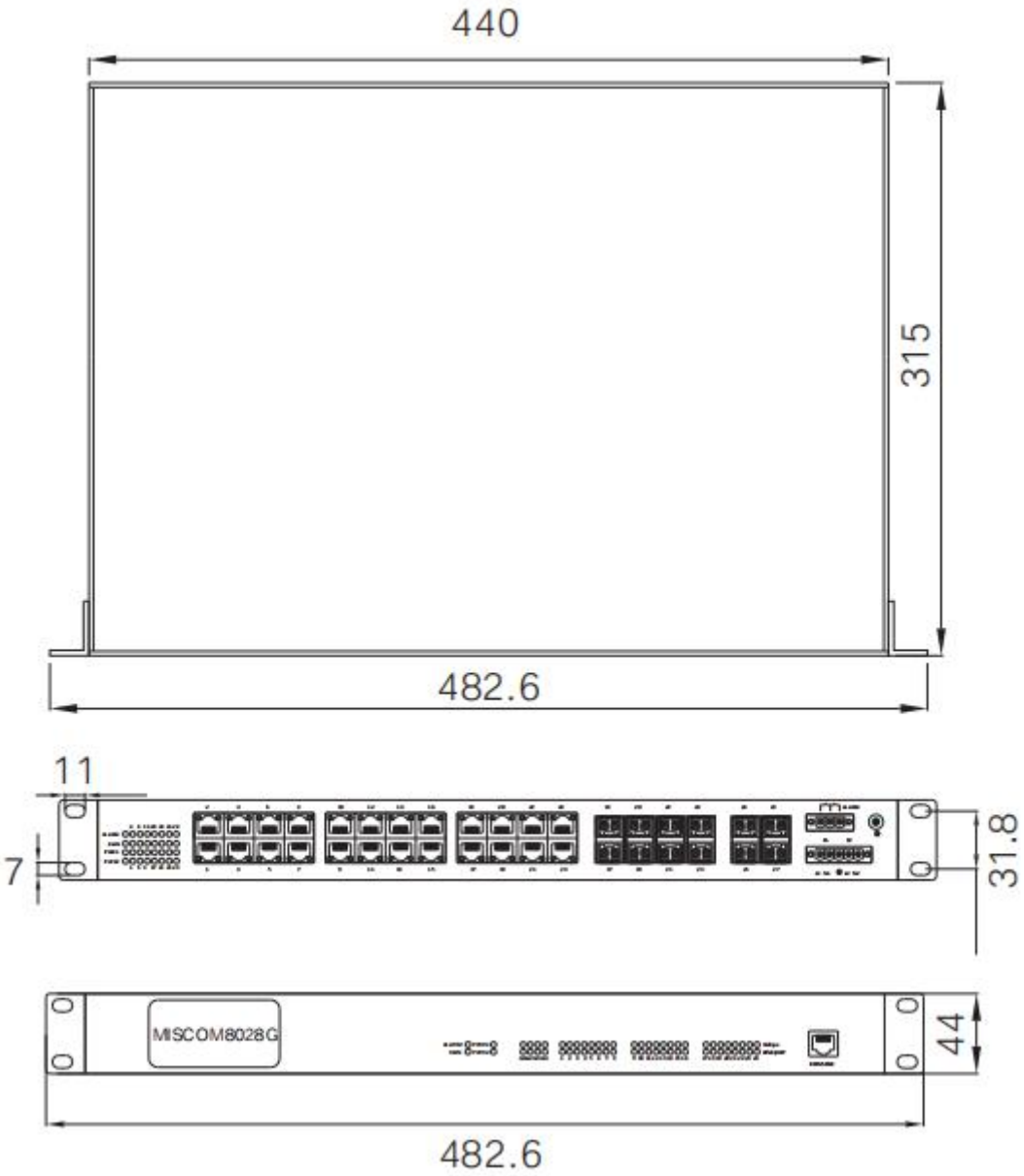
Dimensional drawing



Rack mount (Unit: mm)

Ordering information

MISCOM8028G-4XGF-8GC-16GT-AD220	4 10-Gigabit Fx ports +8 Gigabit combo ports +16 Gigabit Tx port, layer 3 10-Gigabit managed rack mount industrial Ethernet switch, single AC85 -264V/ DC110 ~370V isolate power supply

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