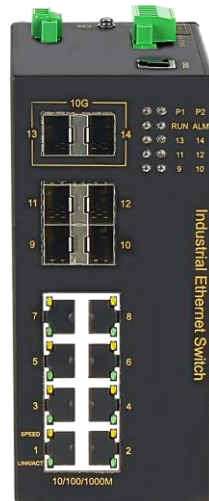


## MISCOM7212G-4GF-8GT

### 12-port Full Gigabit Layer 2 Managed Din-Rail Industrial Ethernet Switch

#### Product description

MISCOM7212G layer 2 full Gigabit industrial Ethernet switch is a layer 2 high-performance Ethernet communication product for industrial communication. MISCOM7212G supports 4 Gigabit Fx ports + 8 Gigabit Tx ports, and it is a standard 35mm din-rail installation switch. It can supply various high-grade management function, including MSTP, IGMP, IGMP Snooping, VLAN, GVRP, QoS, Trunk, rate control, port mirroring configuration and so on.



#### Features:

- Support 4 Gigabit Fx ports + 8 Gigabit Tx ports
- Support visiting the switch by CLI
- Support EAPS, MSTP, VRRP various redundancy protocol
- Support the SNMP, PMON, Telnet network management protocol
- Support the hardware ACL filtration based on L2-L7 layers data
- Supports real-time broadcast storm monitoring control/rate limit
- Support static multicast/dynamic IGMP snooping/multicast traffic filtering
- Support Port VLAN/IEEE 802.1q VLAN/QoS/port aggregation/port mirroring/IEEE802.1p/ToS DiffServe
- Online software update based on FTP/TFTP
- Wide working temperatures range -40 to 85°C
- MTBF ≥ 300000 hours

## Product specification

### Software performance

Redundancy protocol	Support MW-Ring and the recovery time<50ms Support STP/RSTP/MSTP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3 Support GMRP Support static multicast
Management and maintenance	Support CLI, WEB management method Support SNMPv1/v2c Support unified PC software management

### Technical specifications

Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab logical link discovery protocol IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protocol IEEE802.1Q-VLAN Tagging IEEE802.1p-Class of Service IEEE802.1X -Port Based Network Access Control, etc.
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### Switch properties

Priority queue	8
Number of VLANs	4096
Number of multicast groups	512
MAC table	8k
Switch Bandwidth	24Gbps
Switch Latency	<5μs

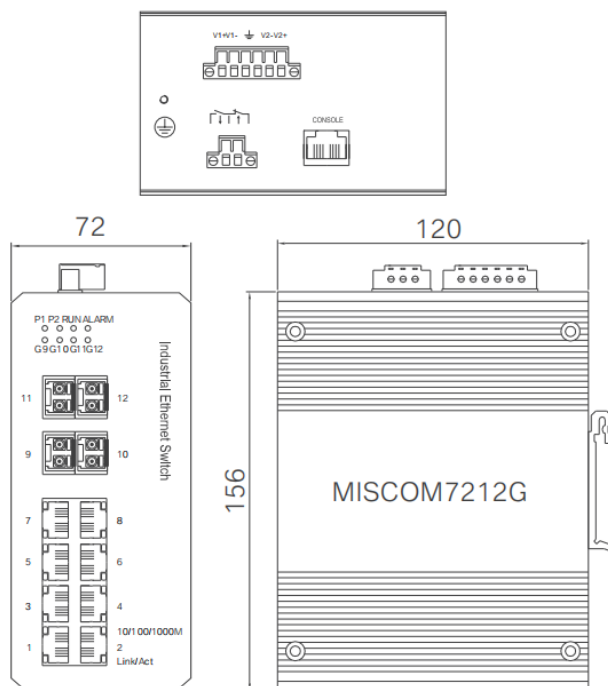
### Interface

Gigabit port	Port numbers:12
	Connector: SFP port(LC interface, single or multi-mode), or RJ45 port
	Baud rate:1000Base-LX(fiber port), auto-negotiation 10/100/1000M-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(CAT5/CAT5e cable)
Multi-mode fiber	Gigabit multi-mode: 850nm, 550m;
Single mode fiber	Gigabit single mode: 1310nm, 20km;
<b>LED indicator lights</b>	
Front panel LED lights	Port light: LINK/ACT; SPEED; ALARM; RUN
	Power LED: PWR1/PWR2
<b>Power requirements</b>	
Power input	DC12-48V DC48V AD220V
Full-load consumption	<15W
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support
<b>Working environment</b>	
Operating temperature	-40°C~70°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%( non-condensing)
<b>Physical characteristics</b>	
Shell	IP40 protection, aluminum alloy shell
Installation	Standard 35mm rail mounting
Dimension	156mm×120mm×72mm
<b>Industry standard</b>	
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
<b>Warranty</b>	
Warranty period	5 Years
Certification	CE, FCC, RoHS

## Dimensional drawing



Din rail mounting (unit: mm)

## Ordering Information

MISCOM7212G-4GF-8GT	4-port Gigabit SFP +8-port Gigabit RJ45, redundant DC12~48V power supply.
MISCOM7212G-4GF-8GT-DC48	4-port Gigabit SFP +8-port Gigabit RJ45, redundant DC48V (36~72V) isolated power supply.
MISCOM7212G-4GF-8GT-AD220	4-port Gigabit SFP +8-port Gigabit RJ45, AC85-264V/ DC110~370V isolated power supply.