

MISCOM7220G-4GF-16GT

20-port Layer 2 Full Gigabit Managed DIN-RAIL

Industrial Ethernet Switch



- ◆ Support 4-channel Gigabit SFP interface, can support hot-swappable LC fiber interface module and RJ45 copper interface module;
- ◆ Support 16-channel 10/100/1000Base-T RJ45 interface, providing users with flexible networking mode;
- ◆ The fast ring network redundancy technology of less than 20ms enhances the reliability of system communication;
- ◆ The use of high-strength enclosed aluminum shell, IP40 protection level, no fan shell fan heat, durable, stable and reliable;
- ◆ -40°C~70°C working temperature, meeting the application requirements of harsh industrial environment;
- ◆ It adopts industrial-grade low-power power supply design, and a variety of power supply schemes are available to meet the flexible application of users.



RoHS



IP40

Product Description

MISCOM7220G series is a layer 2 managed industrial switch, which supports 4 Gigabit fiber ports and 16 Gigabit copper ports. It adopts store and forward mechanism and has powerful bandwidth processing capabilities. It can automatically check data packet errors and reduce transmission failures, easily support gigabit networking to ensure stable, reliable and efficient data transmission. Product selection of industrial-grade components, with high-standard system design and production control, DIN rail-type aluminum alloy shell, sturdy and durable, fan-free efficient heat dissipation, -40°C~70°C wide temperature operation, high standard industrial protection design, can adapt to various harsh working environments, with stable communication performance.

MISCOM7220G series can be managed through Web management or SNMP, while providing MW-Ring, virtual local area network, Trunk, Quality of Service, IGMP Snooping, rate control, port mirroring, static MAC address forwarding, diagnostic functions, Email/Relay, a series of commonly used advanced management functions such as fault alarm and firmware online upgrade. Products are widely used in industrial fields such as integrated energy, smart cities, smart transportation, and industrial automation.

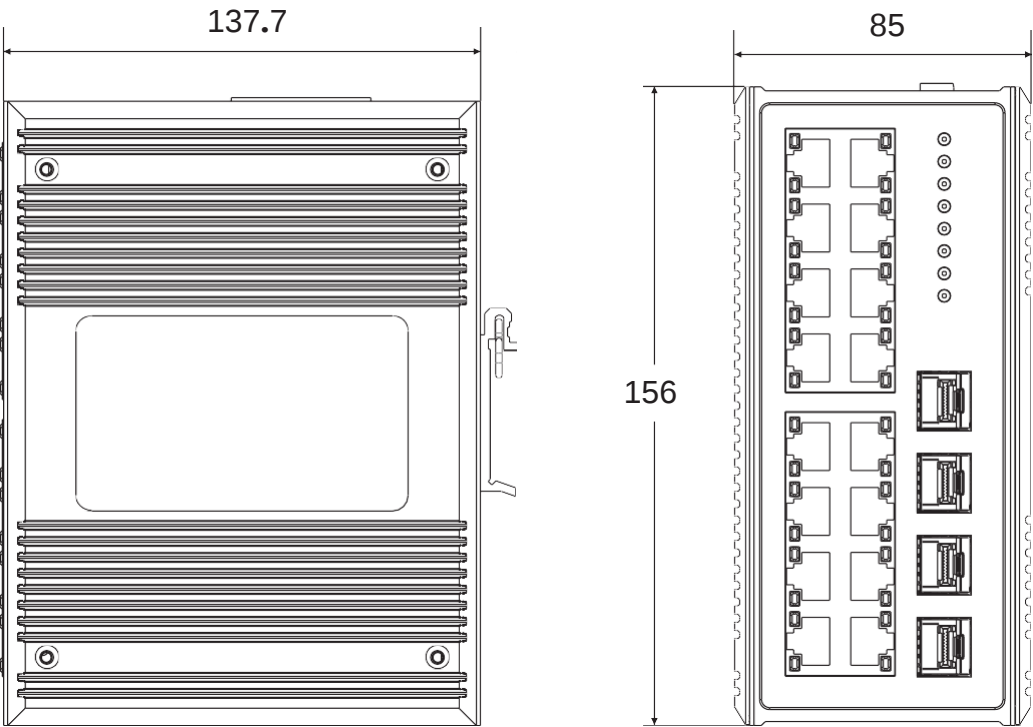
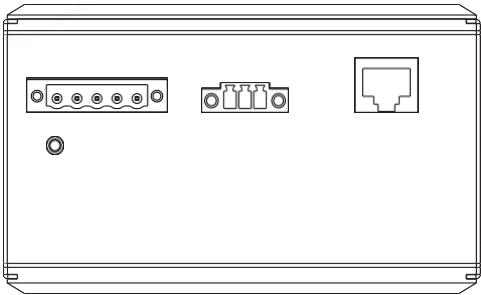
Product Features

- ◆ Support 4-channel Gigabit SFP interface, support hot-swappable LC fiber interface module and RJ45 copper interface module;
- ◆ Support 16-channel 10/100/1000Base-T RJ45 interface, providing users with flexible networking mode;
- ◆ The fast ring network redundancy technology of less than 20ms enhances the reliability of system communication;
- ◆ Support VLAN based on IEEE802.1Q, the number is 4094;
- ◆ The MAC address table supports 16K;
- ◆ Support perfect QoS strategy and multiple queue scheduling algorithms;
- ◆ Support to access the switch through WEB;
- ◆ Support broadcast, multicast, unknown unicast storm suppression;
- ◆ Support full-duplex and half-duplex mode flow control;
- ◆ Reliability: MTBF≥300000 hours;
- ◆ Based on WEB online upgrade, it is convenient for users to manage and update equipment;
- ◆ With graphical network configuration and management and maintenance functions;
- ◆ Meet the requirements of trouble-free work in a strong electromagnetic interference environment.

Product Specification

Product Parameters	
IEEE standard	802.3, 802.3u, 802.3z, 802.3x, 802.1P, 802.1Q, 802.1D/W, etc.
Exchange function	Support VLAN, GVRP
	Support port speed limit, support storm suppression
	Support port aggregation
	Support port flow control
Redundant technology	Support MW-Ring ring network technology
	Support ERPS, MSTP/RSTP, compatible with STP
Multicast technology	Support IGMP v1/v2/v3, IGMP Snooping
	Support GMRP
	Support static multicast
Management and maintenance	Support Console, WEB management mode
	Support SNMPv1/v2c/v3
	Support unified upper computer software management
Exchange method	Store and forward
Backplane bandwidth	40Gbps
Packet forwarding rate	29.76 Mpps
Gigabit port	16 10/100/1000Base-T+4 1000Base-LX ports
Copper port parameters	Physical interface: RJ45 with shielding, IEEE802.3 standard
	RJ45 port: 10/100/1000Base-T (Gigabit) supports auto-negotiation function
	Transmission distance: 100 meters (standard CAT5/CAT5e cable)
Fiber port parameters	Luminous power: >-12dBm (single mode) >-17dBm (multimode)
	Receiving sensitivity: <-38dBm (single mode) <-35dBm (multimode)
	Wavelength: 1310nm (single mode) 1550nm (single mode) 850 nm (multimode) 1310 nm (multimode)
	Transmission distance: Multimode fiber 850nm, 2km; 1310 nm, 2/5km
	Single-mode fiber 1310nm, 20/40/60km; 1550nm, 20/40/60/80/120km
	Connector type: LC
	Transmission rate: 1.25Gbps (Gigabit)
Power parameters	Input voltage: DC power supply: DC24V, DC48V
	AC power supply: AD220V (AC85~264V/DC110~370V)
	Input power consumption: 15W (MAX)
	Overcurrent protection: built-in
Mechanical parameters	Physical dimensions (width × height × depth): 156mm × 72mm × 120mm
	Installation method: standard DIN rail type
	Heat dissipation form: aluminum alloy single-rib chassis surface heat dissipation, no fan
	Case protection: IP40
Working environment	Working temperature: -40°C~+70°C
	Storage temperature: -40°C~+85°C
	Humidity: 5%~95% (no condensation)
EMC standards	EN61000-4-2 anti-static (ESD): ±8kV contact discharge, ±15kV air discharge
	EN61000-4-3 electromagnetic field: 10V/m (80-1000MHz)
	EN61000-4-6 anti-conduction: 3V (10kHz~150 kHz), 10V (150kHz~80 MHz)
	EN55022 : EN55022 Class A

Installation Size



Ordering Information

Product Model	Gigabit SFP	Gigabit RI45	Power
MISCOM7220G-4GF-16GT-DC24	4	16	Dual DC24V
MISCOM7220G-4GF-16GT-DC48	4	16	Dual DC48V
MISCOM7220G-4GF-16GT-AD220	4	16	Single AC/DC220V