MISCOM7209-3GF

9-port Layer 2 Gigabit Managed DIN-RAIL

Industrial Ethernet Switch

- 3 Gigabit SFP + 6 100M Ethernet interfaces, of which the 1000Base-FX SFP interface supports hot plugging;
- The patented technology of rapid ring network redundancy (MW-Ring) of less than 20ms enhances the reliability of system communication;
- Support QoS, IEEE802.1q and ToS/DiffServer to improve communication quality;
- The use of high-strength enclosed aluminum shell, IP40 protection level, no fan shell fan heat, durable, stable and reliable;
- Support DC dual power supply redundant input, the power supply has reliable over-current, over-voltage protection and EMC protection;
- -40℃~85℃ working temperature meets the application requirements of harsh industrial environment.

CE FC RoHS MW-Ring IP40

Product Introduction

MISCOM7209 series supports 3 Gigabit fiber ports and 6 100M electrical ports. It adopts a 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. The product selects industrial-grade components, with high-standard system design and production control, rail-type aluminum alloy shell, sturdy and durable, fan-less high-efficiency heat dissipation, wide temperature operation from -40°C to 85°C, high-standard industrial protection design, and can adapt to various a harsh working environment and stable communication performance.

MISCOM7209 series can be managed through Web management or SNMP, and provide MW-ring, virtual local area network, Trunk, Quality of Service, IGMP Snooping, rate control, port mirroring, static MAC address forwarding table, diagnosis function, Email/Relay fault alarm, and a series of commonly used advanced management functions such as online firmware upgrade.

Product Feature

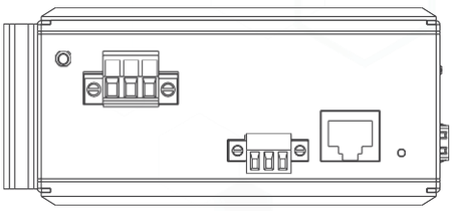
- 100Base-X full duplex single fiber bidirectional interface;
- 10Base-T/100Base-TX adaptive Ethernet interface (full duplex, half duplex), support automatic MDI/MDI-X connection;
- Embedded Web server, remote management and configuration via browser;
- Link redundancy self-recovery technology based on MW-Ring technology, self-healing time is less than 20ms; Trunk port convergence;
- Implement broadcast storm detection control (including storm type detection such as broadcast, multicast, and unknown unicast);
- Online firmware upgrade;
- Dynamic IGMP Snooping support, filtering multicast traffic;
- Bandwidth management to prevent unpredictable network problems;
- Based on IEEE 802.1Q VLAN;
- Support QoS, IEEE802.1p and ToS/DiffServe to improve communication quality;
- Support SNMP V1/V2C/V3 different levels of network management;
- Support RMON and private MIB, effective remote data monitoring and prediction capabilities;
- Support port mirroring for online debugging;
- Real-time network time synchronization;
- Restrict the accessible IP and manage the switches in the network.

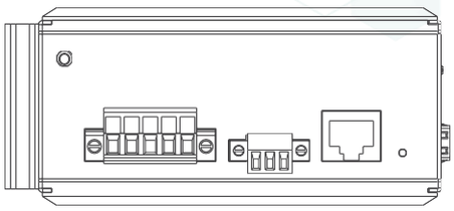
Product Specifications

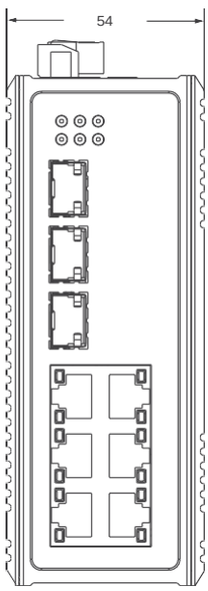
Parameters	
IEEE standard	802.3, 802.3u, 802.3z, 802.3x, 802.1P, 802.1Q, 802.1D/W, etc.
Switching function	Support VLAN, GVRP
	Support port speed limit, support storm suppression
	Support port aggregation
	Support port flow control
Redundant technology	Support ERPS
	Support MW-Ring ring network technology
	Support 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	5.2Gbps
RJ45 port	6 10Base-T/100Base-TX
Fiber port	3 1000Base-X
Electrical port parameter	Physical interface: RJ45 with shielding, IEEE802.3 standard
	RJ45 port: 10Base-T/100Base-TX, support 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	Input voltage: DC range DC12~48V (support dual power supply redundant input) AC range AC85~264V or DC110~370V (single power input)
	Input power consumption: 6W (MAX)
	Overcurrent protection: built-in
Mechanical	Physical size (W×H×D): 140mm×54mm×110mm
	Installation method: standard DIN rail type
	Heat dissipation form: aluminum alloy single-rib chassis surface heat dissipation, no fan

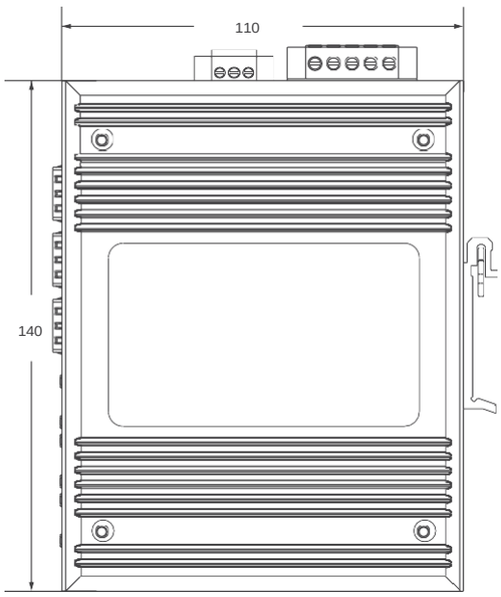
	Case protection: IP40
Working environment	Working temperature: -40℃~+85℃
	Storage temperature: -40℃~+85℃
	Humidity: 5%~95% (no condensation)
EMC	EN61000-4-2 anti-static (ESD): ±8kV contact discharge, ±15kV air discharge
	EN61000-4-3 electromagnetic field: 10V/m (80-1000MHz)
	EN61000-4-6 anti-conduction: 3V (10kHz~150 kHz), 10V (150kHz~80 MHz)
	EN55022: EN55022 Class A

Installation Size









Ordering Information

Product Model	1000M Based-FX	10/100M Based-TX	Power
MISCOM7209-3GF	3	6	Dual DC12~48V
MISCOM7209-3GF-AD220	3	6	Single AC/DC220V