MISCOM7208BP-2GF

8-Port Layer 2 Gigabit Bypass Managed DIN Rail Industrial Ethernet Switch

- 2×Gigabit Bypass fiber ports, 6×10/100Base-T(X) ports (RJ45 connector)

- Support a set of fiber Bypass functions, where fiber ports G1 and G2 can be connected directly even if the device power fails, to ensure network continuity

- Support MW-Ring v1/v2, ERPS, STP/RSTP, and other ring redundancy protocols to enhance network reliability

- Fast ring redundancy with less than 20ms (MW-Ringv1/v2) improves system communication reliability

- Support dual DC 9~60V power input, with support for power redundancy and non-polarity

- With IP40 high-strength aluminum alloy housing with and fanless design, the device can reliably operate in harsh industrial environment ranging from -40°C to +75°C

CE FC RoHS IP40

Product Description

MISCOM7208BP-2GF series is a layer 2 Gigabit Bypass managed DIN rail industrial Ethernet switch. It supports 2×Gigabit Bypass fiber ports and 6×10/100Base-T(X) ports. Notably, fiber port G1 and G2 has Bypass functionality, allowing them to remain connected and bypass faulty nodes, ensuring network continuity even in the event of device power failure.

This switch operates using a store-and-forward mechanism, offering robust bandwidth processing capabilities and automatic error detection in data packets. This reduces transmission failures and easily supports gigabit networking, ensuring stable, reliable, and efficient data transmission. The product features high-quality industrial-grade components, rigorous system design, and production controls. It supports standard 35mm DIN rail, boasts a high-strength aluminum alloy housing for durability, fanless heat dissipation, and can operate in a wide temperature range from -40 ℃ to +75 ℃. With its high-standard industrial protection design, it can adapt to various challenging working environments, ensuring stable communication performance.

MISCOM7208BP-2GF series support WEB management functions and various network protocols, including MW-Ringv1/v2, ERPS, STP/RSTP, VLAN, LACP, LLDP, SNMPv1/v2c/v3, QoS, 802.1X, IGMP snooping, WEB access control, static aggregation, port mirroring, static MAC address binding, network diagnostics, Email logs, alarms, SNTP, system logs, and online system upgrades. These features enhance network performance, reliability, and security, meeting the demands of complex networks. The product undergoes rigorous testing for functionality, temperature resistance, safety, and EMC compliance, making it suitable for complex network and harsh industrial environment applications. It can be widely applied in various fields, including comprehensive energy, smart cities, rail transportation, intelligent traffic, smart factories, and industrial automation

MɑIWE

✦ Features and Benefits

- Support rate limiting for broadcast, multicast, and unknown unicast packets, with detection and prevention of broadcast and multicast packet storms to prevent network storms
- Provide Quality of Service (QoS) to prioritize voice, video, and critical data transmission on network devices, addressing network congestion
- Support 802.1Q VLAN, offering Access, Trunk, and Hybrid interfaces for easy segmentation of multiple broadcast domains, enhancing network security
- Support IGMP Snooping, creating a Layer 2 multicast forwarding table to reduce multicast broadcast in the network, saving network resources
- Support LLDP (Link Layer Discovery Protocol) for obtaining information about LLDP neighboring devices, facilitating link status monitoring, topology management, and fault localization
- Support ERPS (Ethernet Ring Protection Switching) for Ethernet multiple ring protection, link backup, fast convergence, and improved network stability
- Support static and dynamic link aggregation (LACP) to increase transmission bandwidth and enhance link reliability
- Support RSTP (Rapid Spanning Tree Protocol) and compatible with STP (Spanning Tree Protocol) to eliminate network loops and improve network reliability
- Support WEB control, HTTP, HTTPS protocol access control, and login IP address restrictions
- Support 802.1X port authentication for authenticating access users, offering local and RADIUS login authentication
- Support SNMPv1/v2c/v3 centralized management and SNMPv1/v2c/v3 TRAP messages
- Support alarm functions, including dual power failure, network storms, port link status, ring network status, and more
- Support port statistics for counting different types of transmitted and received data frames, enabling monitoring of port traffic
- Support port mirroring to capture data at both inbound and outbound ports for network diagnostics and fault management
- Support system log information recording, download, and categorization, with the ability to output to WEB pages, log hosts, and consoles for display

☑ Specification

| Software	
Switching	Support port configuration, rate configuration, storm detection, port aggregation, LACP, and port statistics Support 802.1Q VLAN Support MAC address aging and static unicast MAC address binding
Redundancy	Support MW-Ringv1/v2 proprietary ring network technology Support ERPS (Ethernet Ring Protection Switching) Support RSTP (Rapid Spanning Tree Protocol) and compatible with STP (Spanning Tree Protocol)
Multicast	Support IGMP snooping and static multicast MAC address binding
Security Management	Support WEB access control, 802.1X port authentication, and alarm notifications via email logs
Management and Maintenance	Support QoS (Quality of Service), SNMP v1/v2c/v3, SNMPv1/v2c/v3 TRAP, and LLDP Support port mirroring and Ping Provide user privilege management, system logs, local/network time synchronization, and daylight saving time Support online restart, factory reset, system upgrades, and configuration file upload/download Support MW-NMPv2, MixView, and MaxView management
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	7.6Gbps
Buffer Size	1Mbit
MAC Table Size	8K
Interface	
1G Fiber Port	2*1000Base-X ports, utilizing single-mode single-fiber SC interfaces, supporting optional wavelengths and transmission distances. Port G1 and G2 support Bypass functionality
100M Copper Port	6*10/100Base-T(X) RJ45 ports, support full/half duplex and auto MDI/MDI-X
CONSOLE	1 console port with RS232 signal on a RJ45 connector, used for device debugging
Status LED	Power indicator, Operation indicator, Interface indicator, TX port speed indicator
Power Supply	

Specification

Input Voltage	Dual DC9~60V power input, non-polarity
Power Consumption	＜6W@DC24V(full load)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	140×54×110 mm (DIN rail mounting clip excluded)
Installations	Easy installation on 35mm DIN rails
IP Code	IP40
Weight	0.61kg
Working Environment	
Operating Temp	-40℃~+75℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 4 ※ Ethernet ports support 6kV surge protection IEC 61000-4-4 (EFT): Level 4
Certification	CE, FCC, RoHS

Dimensions

Unit: mm
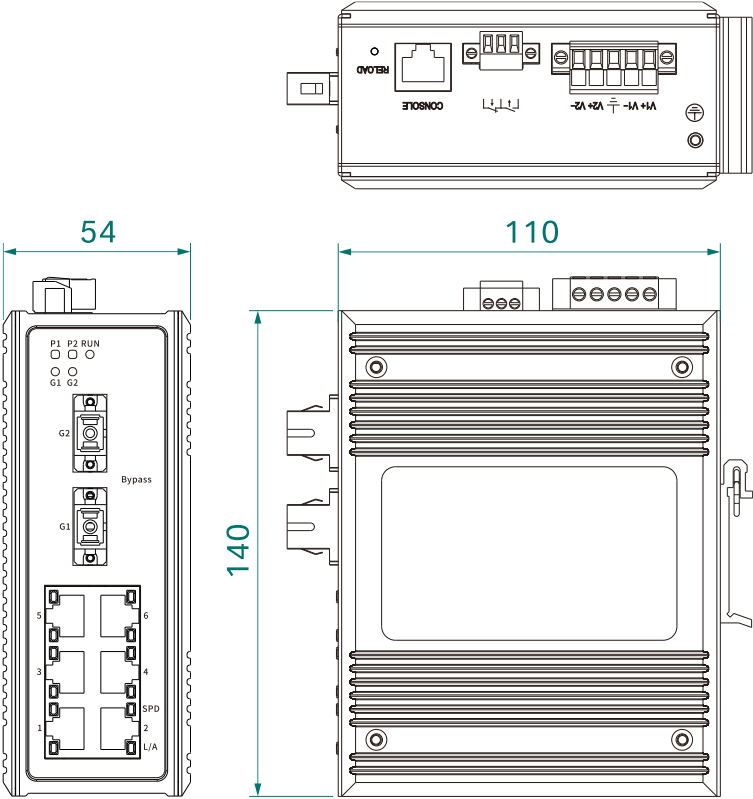
🛒 Ordering Information

Standard Model	1G Bypass Port	10/100M Copper Port	Input Voltage
MISCOM7208BP-2GF	2	6	Dual DC9~60V power input

📞 Contact Us

Wuhan Maiwe Communication Co., Ltd

Address: No.52 Liufang Avenue, East lake High-tech Development Zone, Wuhan, China.

Tel: 027 8717 0217

Mail: enquiry@maiwe.com

Official site: www.maiwe.com