CISCOM7210GBP-2GF-8GT

10-Port Layer 2 Gigabit Bypass Managed DIN Rail Industrial Switch



- 2 x 1G SFP ports, 8 x 10/100/1000Base-T(X) RJ45 ports
- Support fiber ports bypass function. Fiber ports G9 and G10 can be connected directly after the device is powered off to ensure normal operation of the network
- MW-Ring (recovery time < 20 ms @ 200 switches), ERPS, STP/RSTP for network redundancy
- Support DC 12V-48V redundant power inputs with non-polarity
- High-strength aluminum alloy with IP40 protection, fanless design
- Work in harsh industrial environments ranging from -40°C to +75°C

Product Description

The CISCOM7210GBP-2GF-8GT is a Layer 2 fully gigabit managed industrial Ethernet switch equipped with 2*gigabit bypass SFP ports and 8*gigabit copper ports, designed for DIN rail mounting. Its fiber ports (Port 9 and 10) support bypass functionality, ensuring uninterrupted network connectivity by automatically bypassing failed nodes during power outages, which helps maintain stable network operations. This switch adopts a store-and-forward switching mechanism, delivering high bandwidth performance while reducing transmission errors through automatic error detection and correction. Built with industrial-grade components and engineered under strict system and production standards, it features a rugged metal enclosure, fanless heat dissipation, and supports a wide operating temperature range of -40°C to +75°C. Its robust industrial protection design ensures stable and reliable communication performance even in harsh environments.

The CISCOM7210GBP-2GF-8GT supports intuitive web-based management and a wide range of Layer 2 protocols, including MW-Ring v1/v2, ERPS, STP/RSTP, VLAN, LACP, LLDP, SNMP v1/v2c/v3, RMON, QoS, 802.1X authentication, IGMP Snooping, ACL, and access via Web, Telnet, or SSH. Advanced features such as port mirroring, static MAC binding, network diagnostics, loopback detection, system logging, SNTP synchronization, alarm notifications, and firmware upgrades further enhance its functionality, security, and network reliability. The switch has been rigorously tested for performance, temperature resistance, safety, and electromagnetic compatibility to meet the demanding requirements of industrial networking. It is ideal for deployment in integrated energy systems, smart cities, rail transit, intelligent transportation, smart factories, and industrial automation environments.

Product Features

- Support rate limiting for broadcast, unknown multicast, and unknown unicast packets, with detection and prevention of broadcast and multicast packet storms to avoid network storms
- Support link static aggregation and LACP dynamic aggregation to increase transmission bandwidth and enhance link reliability
- Support port mirroring to collect data from port ingress and egress for network detection and fault management
- Support 802.1Q VLAN, providing Access, Trunk, and Hybrid interfaces for easy division of multiple broadcast domains, enhancing network security
- Support IGMP Snooping to establish a Layer 2 multicast forwarding table, reducing multicast data broadcast in the network, and conserving network resources
- Support LLDP (Link Layer Discovery Protocol) for obtaining LLDP neighbor device information, monitoring link statuses, facilitating topology management, and fault localization
- Support ERPS (Ethernet Ring Protection Switching) for multiple ring network protection, link backup, fast convergence, and improved network stability
- Support RSTP (Rapid Spanning Tree Protocol) compatible with STP (Spanning Tree Protocol) to eliminate network loops and enhance network reliability
- Support WEB control with HTTP and HTTPS protocol access control, as well as login IP address restrictions
- Support SNMPv1/v2c/v3 centralized management and SNMPv1/v2c/v3 TRAP messages, including support for standard TRAP and private TRAP notifications
- Support RMON (Remote Monitoring) for remote network monitoring, statistics, and alarms for various types of data frames, suitable for remote monitoring and management in network management systems
- Support QoS (Quality of Service) to prioritize voice, video, and critical data transmission within network devices, addressing network congestion
- Support ACL (Access Control List) with customizable filtering rules for various frame types, enabling filtering or rate limiting of specific packets
- Support 802.1X port authentication for user authentication upon network access, providing local and RADIUS login authentication
- Support alarm functions, including power supply failure, network storms, and port disconnection alarms
- Support loopback detection to prevent network loops and associated network storms
- Support system log information recording, downloading, and categorization, with output available through WEB pages, log hosts, and consoles

Technical Specifications

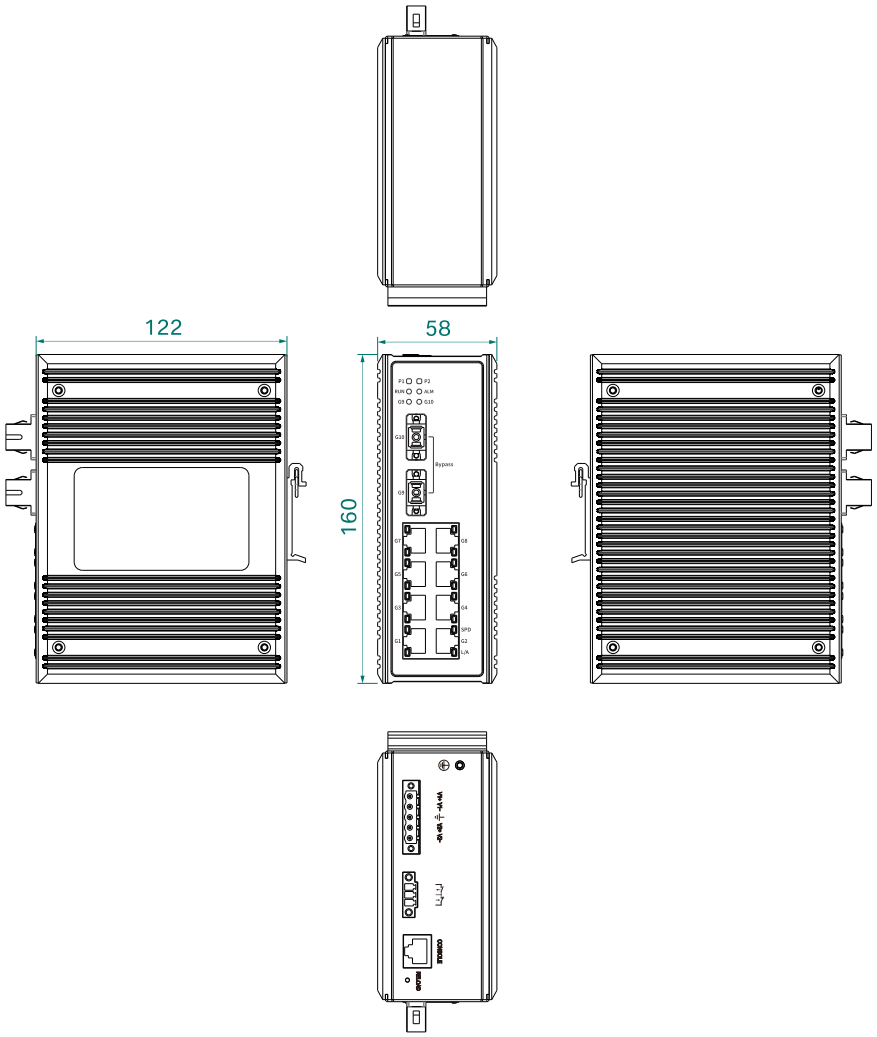
Software	
Switching	Support port configuration, port rate limiting, storm suppression, storm detection, port aggregation, LACP, and port statistics Support 802.1Q VLAN and port isolation Support MAC address aging and static MAC address binding
Redundancy	Support MW-Ring proprietary ring network technology Support ERPS Support RSTP/STP
Multicast	Support IGMP Snooping Support static multicast MAC address binding
Security Management	Support WEB, TELNET, and SSH access control Support ACL (Access Control List) for filtering traffic Support 802.1X port authentication Support loopback detection, alarms, and Email log
Management and Maintenance	Support QoS, SNMP v1/v2c/v3, SNMPv1/v2c/v3 TRAP, RMON, and LLDP Support port mirroring, Ping Support user privilege management, system logs, local/network time synchronization, and daylight-saving time Support online restart, factory reset, system upgrade, and configuration file upload/download Supports MW-NMPv2, MixView, and MaxView management
Switch Capability	
Processing Type	Store and Forward
Backplane Bandwidth	20Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	

Gigabit Fiber Port	2 x 1000Base-X SFP ports, adopts single-mode single-fiber SC interface and supports different wavelength and transmission distance. Fiber port G9 and fiber port G10 support Bypass function.
Gigabit Copper Port	8 x 10/100/1000Base-T(X) copper ports, supporting full/half duplex, auto MDI/MDI-X
Relay	1 x relay alarm output with 3-pin 3.81mm spacing and locking terminal connectors.
CONSOLE	1 x CONSOLE port with an RJ45 connector, supporting RS232 signal for device debugging and command configuration
Status LED	Power indicator, operation indicator, alarm indicator, interface indicator, and Ethernet port speed indicator
Power Supply	
Input Voltage	DC12V~48V, redundant power inputs, non-polarity
Power Consumption	<12W@DC24V (full load)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	160 × 58 × 122 mm (DIN rail mounting clip excluded)
Installations	Standard 35mm DIN rail installation
IP Code	IP40
Weight	0.87kg
Working Environment	
Operating Temperature	-40℃~+75℃
Storage Temperature	-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 Fiber Port	1G Copper Port	Input Voltage
CISCOM7210GBP-2GF-8GT	2	8	Dual DC12V~48V power inputs

Contact Us

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