CISCOM7210-2GF

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



- 2×1G SFP ports, 8×100M RJ45 copper ports
- MW-Ring (recovery time < 20 ms @ 200 switches), ERPS, STP/RSTP, MRP for network redundancy
- Support DDM to monitor parameters of DDM SFP optical modules, including operating temperature, voltage, current, and transmit/receive optical power
- Support AC85~264V/DC110~370V power input, or DC9~60V redundant power inputs
- High-strength aluminum alloy shell, IP40-rated housing protection
- -40°C to +75°C working temperature range

Product Description

CISCOM7210-2GF is a 10-port Layer 2 Gigabit managed DIN-rail industrial Ethernet switch with 2 × 1G SFP ports and 8 × 100M RJ45 ports. It adopts a store-and-forward mechanism, delivers high bandwidth performance, and automatically detects and corrects packet errors to reduce transmission faults, ensuring stable, reliable, and efficient gigabit networking. This DIN-rail switch is built with industrial-grade components and manufactured to high standards. It supports 35 mm DIN-rail installation, features a high-strength aluminum alloy housing, and operates in -40°C to +75°C. It offers robust industrial protection for reliable performance in harsh environments.

This L2 managed switch supports WEB management and a wide range of network protocols, including MW-Ring, ERPS, STP/RSTP, MRP, VLAN, SVL, LACP, LLDP, SNMP v1/v2c/v3, RMON, QoS, 802.1X authentication, TACACS+ client, IGMP Snooping, GMRP, ACL, WEB/TELNET/SSH access control, static link aggregation, port mirroring, static MAC address binding, network diagnostics, loopback detection, link diagnostics, DDM, Email logs, alarms, SNTP client, system logs, and online system upgrades. These capabilities enhance network performance, reliability, and security to meet the demands of complex networking scenarios.

Tested for functionality, temperature, safety, and EMC compliance, CISCOM7210-2GF is ideal for applications in industrial automation, energy, smart cities, intelligent transportation, and smart factories.

Product Features

- Support rate limiting for broadcast, unknown multicast, and unknown unicast packets, and detect broadcast/multicast storms to prevent network storms
- Support static link aggregation and LACP dynamic aggregation to increase transmission bandwidth and improve link reliability
- Support port mirroring to capture ingress and egress data for network monitoring and fault management
- Support 802.1Q VLAN, providing Access, Trunk, and Hybrid interfaces for easy division of multiple broadcast domains, enhancing network security
- Support multicast protocols such as IGMP Snooping and GMRP to reduce multicast broadcast traffic and save network resources
- Support LLDP to obtain neighbor device information, monitor link status, and facilitate topology management and fault location
- Support ERPS for multi-ring networking, link backup, rapid convergence, and improved network stability
- Support RSTP, compatible with STP, to eliminate network loops and improve network reliability
- Support MRP to enhance network reliability with reconfiguration time ≤ 500 ms
- Support WEB management with HTTP/HTTPS access control and login IP address restriction
- Support SNMP v1/v2c/v3 centralized management and TRAP messages, including standard and private TRAPs
- Support RMON for statistics and alarms on various frame types, enabling remote monitoring and management
- Support QoS to prioritize voice, video, and critical data, alleviating network congestion
- Support ACL with customizable frame filtering and rate limiting rules
- Support 802.1X port authentication for user identity verification, with local and RADIUS authentication
- Support TACACS+ client for user authentication, authorization, and accounting, enhancing system security
- Support loopback detection to prevent network loops and potential network storms
- Support system log recording, downloading, and categorization, with output to WEB pages, log servers, or consoles for display

Technical Specifications

Software	
Switching	Support port configuration, port rate limiting, storm suppression, storm detection, port aggregation, LACP, and port statistics Support 802.1Q VLAN, port isolation, and SVL configuration Support MAC address aging and learning limits, static MAC address binding, and source MAC address filtering
Redundancy	Support MW-Ring proprietary ring network technology Support ERPS Support STP/RSTP Support MRP
Broadcast	Support IGMP Snooping Support static multicast MAC address binding Support unknown multicast filtering Support GMRP
Security Management	Support WEB, TELNET, and SSH access control Support ACL, 802.1X port authentication, and TACACS+ client Support loopback detection, network storm/ring status/port down alarms, and email logs
Management and Maintenance	Support QoS, SNMP v1/v2c/v3, SNMP v1/v2c/v3 TRAP, RMON, and LLDP Support port mirroring, Ping, optical module DDM, and link diagnosis Support user permission management, system logs, SNTP client, and daylight saving time Support online reboot, factory reset, system upgrade, and configuration file upload/download Support MW-NMPv2, MixView, and MaxView management
Switching	

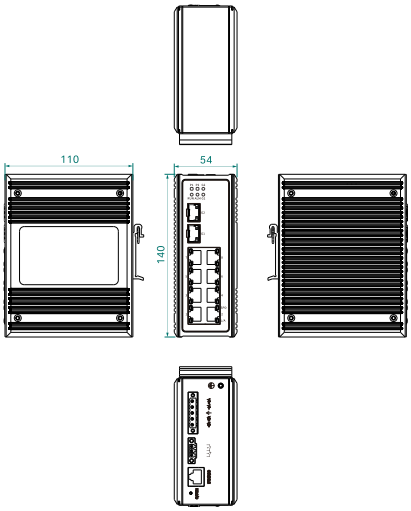
Processing Type	Store-and-forward
Backplane Bandwidth	12.8Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	
1G Fiber Port	2 x 1000 Base-X SFP ports, compatible with 100 Base-FX (SFP module is supplied separately by our company)
100M Copper Port	8 x 10/100 Base-T(X) auto-sensing RJ45 port, support full/half duplex, auto MDI/MDI-X
Relay	1 x relay alarm output, 3-pin 3.81mm terminal block
CONSOLE	1 x RJ45 CONSOLE port of RS232 signal for device debugging and command line configuration
Status LEDs	Power indicator, operation indicator, alarm indicator, SFP interface indicator, port rate and connection/active status indicator
Power	
Power Input	DC Model: DC9~60V, support redundant power inputs, non-polarity AC Model: AC85~264V / DC110~370V
Power Consumption	＜6W@DC24V (full load)
Connection	5-pin 5.08mm terminal block
Physical Characteristics	
Dimensions	140×54×110 mm (DIN rail mounting clip and connectors excluded)
Installations	35 mm standard DIN-rail installation
IP Code	IP40

Weight	About 0.64kg
Working Environment	
Operating Temp	-40°C to +75°C
Storage Temp	-40°C to +85°C
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

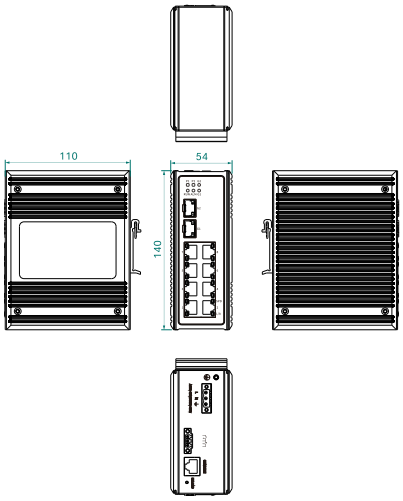
Dimensions

Unit: mm

CISCOM7210-2GF



CISCOM7210-2GF-AD220



Ordering Information

Standard Model	1G Fiber Port	100M Copper Port	Input Voltage
CISCOM7210-2GF	2	8	DC9V~60V Redundant Power Inputs
CISCOM7210-2GF-AD220	2	8	AC85V~264V/DC110V~370V Power Input

Contact Us

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