

CISCOM6208 Series

8-Port Layer 2 Managed DIN Rail Fast Industrial Ethernet Switch



- 0/2/4 x 100Base-FX ports, 8/6/4 x 10/100Base-T(X) RJ45 ports
- MW-Ring, ERPS, STP/RSTP for network redundancy
- Fast ring network redundancy (MW-Ring) < 20ms enhances system communication reliability.
- Support QoS based on 802.1P/DSCP/port-based priority mapping
- Single AC85V~264V / DC110V~370V power input, or DC9V~60V redundant power inputs for power redundancy.
- High strength aluminum alloy shell with IP40-rated housing protection, fanless design
- Work in -40°C to +85°C harsh industrial temperature

Product Description

The CISCOM6208 is an 8-port Layer 2 managed industrial Ethernet switch series, available in configurations that include 0, 2, or 4 100Base-FX fiber ports and 8, 6, or 4 100Base-T(X) copper ports. Designed with a store-and-forward architecture, the switch supports full line-speed forwarding, enabling fast and reliable data transmission across industrial networks. Built with high-quality industrial-grade components and a robust system design, it features a 35mm standard DIN rail mounting system, a rugged aluminum alloy enclosure, and a wide operating temperature range from -40°C to +85°C (AC models support up to +75°C). Its hardened design ensures reliable communication even in harsh and demanding environments.

The CISCOM6208 series supports management through both web interface and SNMP, offering a comprehensive suite of advanced features such as MW-Ring, ERPS, STP/RSTP, VLAN, QoS, LLDP, IGMP snooping, and more. It includes functionality for web/telnet/SSH access control, port aggregation, port mirroring, port statistics, static multicast, network diagnostics, loopback detection, email notifications, relay alarms, and remote firmware upgrades. With its strong reliability, versatile management options, and rugged industrial design, this series is well-suited for deployment in integrated energy systems, smart cities, intelligent transportation infrastructure, smart manufacturing environments, and a broad range of industrial automation applications.

Product Features

- Support rate limiting for broadcast, multicast, and unknown unicast packets, as well as broadcast and multicast packet storm detection to prevent broadcast storms.
- Support QoS prioritizes voice, video, and critical data transmission within network devices, alleviating network congestion.
- Support 802.1Q VLAN provide access, trunk, and hybrid interfaces for easily dividing multiple broadcast domains, enhancing network security.
- Support IGMP snooping and static multicast tables enable the establishment of a Layer 2 multicast forwarding table, reducing multicast data broadcasts and conserving network resources.
- Support LLDP link enables access to LLDP neighbor information and link status monitoring, facilitating topology management and fault location.
- Support ERPS Ethernet multi-ring protection technology provides multi-ring networking, link backup, rapid convergence, and improved network stability.
- Support Fast ring redundancy (MW-Ring) with a latency of less than 20ms enhances system communication reliability.
- Support RSTP spanning tree protocol, compatible with STP, eliminates network loops and improves network reliability.
- Support static link aggregation to increase transmission bandwidth and improve link reliability.
- Support observer and administrator roles, with hierarchical user rights management.
- Support web access control, HTTP and HTTPS protocols, and login IP address restrictions.
- Support TELNET and SSH access control, with SSH providing secure remote login to ensure data integrity and reliability.
- Support static unicast/multicast MAC address binding to interfaces to ensure access by authorized users.
- Support SNMPv1/v2c/v3 and SNMPv1/v2c/v3 TRAP, enabling centralized management through the MIB network management system.
- Support relay alarms, including network storms, port disconnections, ring network status, and dual power failure alarms.
- Support port statistics, counting different types of sent and received data frames to monitor port traffic.
- Support port mirroring, collecting port ingress, egress, or all data for network detection and fault management.
- Support loopback detection to prevent loops and network storms.
- Support system logging for WEB, LINK, CONFIG, AUTH, IGMP, STORM, RING, RSTP, SNMP, and other log information. Supports remote monitoring of log hosts and log emailing.

Technical Specifications

Software	
Switching	Support port configuration, including rate mode, duplex mode, and flow control. Support port VLAN and 802.1Q VLAN. Support port ingress/egress rate limiting, storm detection, and static port aggregation. Support MAC address table, received frame statistics, sent frame statistics, and total traffic statistics.
Redundancy	Support ERPS Support MW-Ring proprietary ring network technology Support RSTP/STP
Multicast	Support IGMP snooping Support static multicast binding with MAC address
Security Management	Support WEB, TELNET, and SSH control Support static MAC port locking Support email logging and relay alarms Support loopback detection
Management and Maintenance	Support QoS, 802.1P/DSCP/port priority mapping, and absolute and relative priority control. Support SNMP v1/v2c/v3, SNMP v1/v2c/v3 TRAP, and LLDP. Support port mirroring and ping. Support user management with different permissions, local time management, SNTP client, and logging. Support online reboot, factory reset, system upgrade, and configuration file upload/download. Support unified host software management.
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	2Gbps
Buffer Size	1Mbit

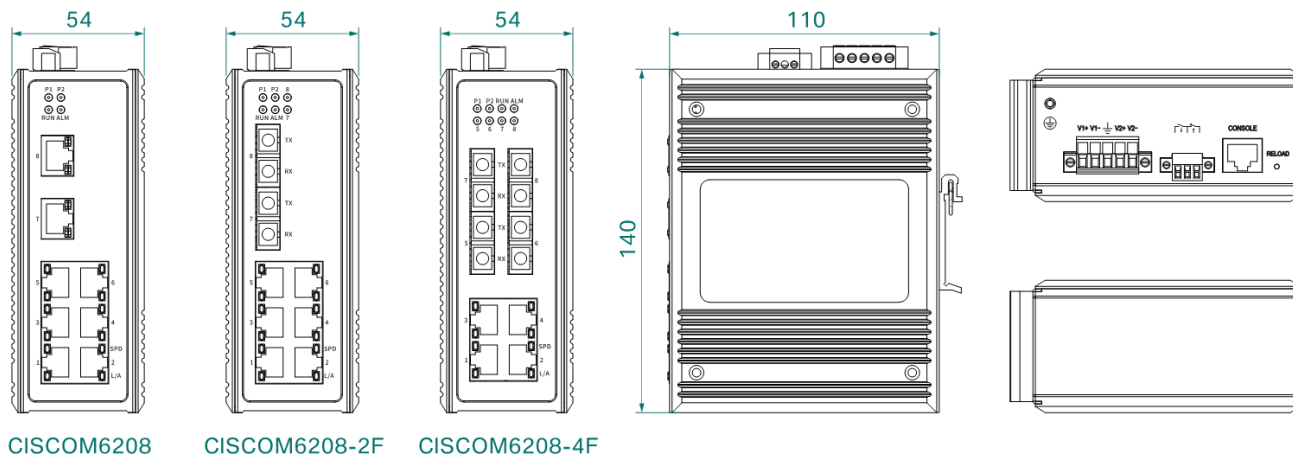
MAC Table Size	2K
Interface	
100M Fiber Port	0/2/4 × 100Base-FX ports, single mode/multimode, SC/FC/ST connectors, wavelength, transmission distance are optional
100M Copper Port	8/6/4 × 10/100Base-T(X) auto-sensing RJ45 ports, support full/half duplex and auto MDI/ MDI-X
Relay	1*relay alarm output, 3.81mm pitch 3 pin terminal block
CONSOLE	1* CONSOLE port, RS-232 serial port with an RJ-45 connector
Button	Factory reset
Status LED	Power indicator, operation indicator, alarm indicator, fiber port indicator, copper port rate and connection status indicator
Power Supply	
Input Voltage	DC Model: DC9V~60V, dual power inputs, non-polarity AC Model: AC85V~264V(47~63Hz)/DC110V~370V, built-in overcurrent protection
Power Consumption	<5W@DC24V (2F model), <6W@DC24V (4F model)
Connection	DC models: 5.08mm pitch 5-pin terminal blocks with lock mechanism AC models: 5.08mm pitch 3-pin terminal blocks with lock mechanism
Physical Characteristics	
Dimensions	140 × 54 × 110mm (DIN rail mounting clip excluded)
Installations	35mm DIN rail mounting
IP Code	IP40
Weight	0.6kg
Working Environment	
Operating Temp	-40°C to +85°C (AC Model: -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 (AC models Level 3) *Ethernet ports support 6kV surge protection IEC 61000-4-4(EFT): Level 4
Certification	CE, FCC, RoHS

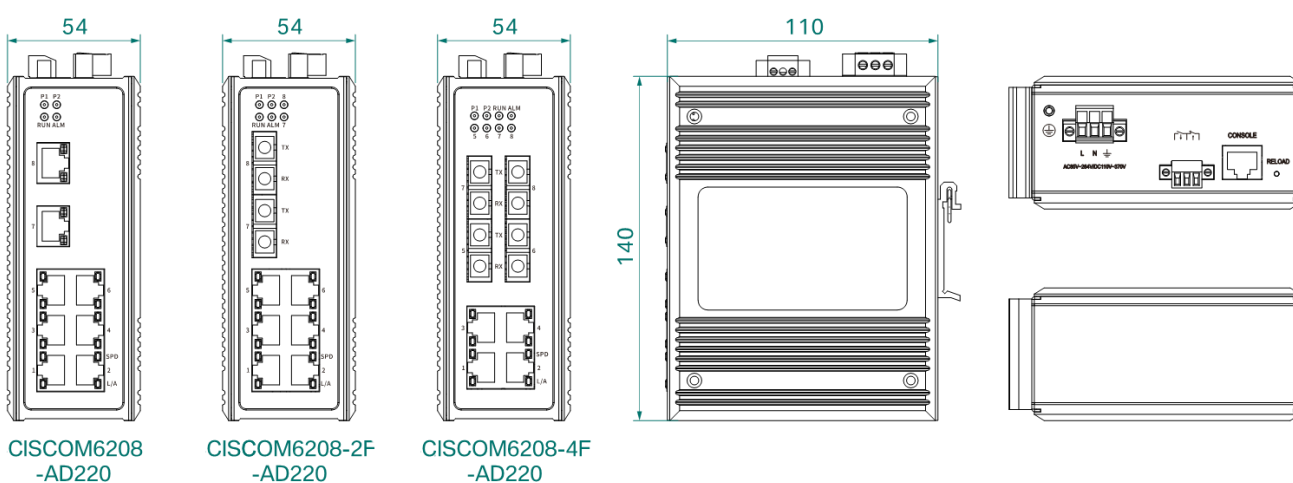
Dimensions

Unit: mm

DC models:



AC models:



Ordering Information

Standard Model	100M Fiber Port	10/100M Copper Port	Input Voltage
CISCOM6208	/	8	DC9V~60V redundant power inputs
CISCOM6208-2F(M/S)	2	6	
CISCOM6208-4F(M/S)	4	4	
CISCOM6208-AD220	/	8	Single AC85~264V/DC110~370V power input
CISCOM6208-2F(M/S)-AD220	2	6	
CISCOM6208-4F(M/S)-AD220	4	4	



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