CIEN5208 Series

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

- 0/2 x 100Base-FX ports (multi/single-mode, SC/FC/ST connector), 8/6 × 10/100Base-T(X) ports (RJ45 connector)
- Support QoS to allow 802. 1P/DSCP/port-based priority mapping
- Support single AC85V~264V/DC110V~370V power supply, or dual DC9~60V redundant power input
- High strength aluminum alloy shell, IP40 protection grade
- Fanless design, case heat dissipation
- Work in -40℃ ~ + 85℃ harsh industrial temperature

Product Description

CIEN5208 series 8-port Layer 2 managed industrial Ethernet switches, support 0/2x100Base-FX ports and 8/6x100Base-T(X) ports. It adopts a store-and-forward mechanism, has strong bandwidth processing capabilities, automatically troubleshoots data packet errors, reduces transmission failures, and easily supports 100M networks.

The product adopts industrial-grade components, with high-standard system design and production control, 35mm standard DIN rail installation, high-strength aluminum alloy shell, durable, fan-less and efficient heat dissipation, -40℃~ +85℃ wide temperature (AC models -40℃~ +75℃), high standard industrial protection design, able to adapt to a variety of harsh operating environments.CIEN5208 supports WEB network management functions and multiple network protocols, such as MW-Ringv1/v2, ERPS, STP/RSTP, VLAN, QoS, port mirroring, static multicast MAC address binding, storm suppression, port statistics, network diagnosis, and alarms and system online upgrades, etc., which can improve the performance, reliability and security of the network and meet the needs of various complex networks.

The products have passed strict functional, high and low temperature, safety and EMC tests to meet complex networks and harsh industrial environments. They can be widely used in integrated energy, smart cities, rail transit, intelligent transportation, smart factories, industrial automation and etc..

Product Features

- Support port ingress and egress rate limiting
- Support rate limiting of packets from broadcast, multicast and unknown unicast, and storm detection of broadcast and multicast packets
- Support QoS service quality, allowing voice, video and important data to be transmitted preferentially in network equipment
- Support static multicast MAC address binding, reducing the broadcast of multicast data in the network and saving network resources
- Support alarm functions, including dual power supply power outage alarms (Dual power supply models only), port disconnection, ring network status, etc.
- Support port mirroring, which can collect port inlet, outlet or all data for network detection and fault management
- Support ERPS Ethernet multi-loop protection technology, provide multi-loop networking, link backup, achieve fast convergence and improve network stability
- Support RSTP spanning tree protocol and is compatible with STP protocol, which can eliminate network loops and improve network reliability
- Support port statistics, count different types of data frames sent and received, and monitor port traffic
- Support visitors and administrators, and hierarchical management of users with different permissions
- Support device online restart, factory settings restoration and system upgrade
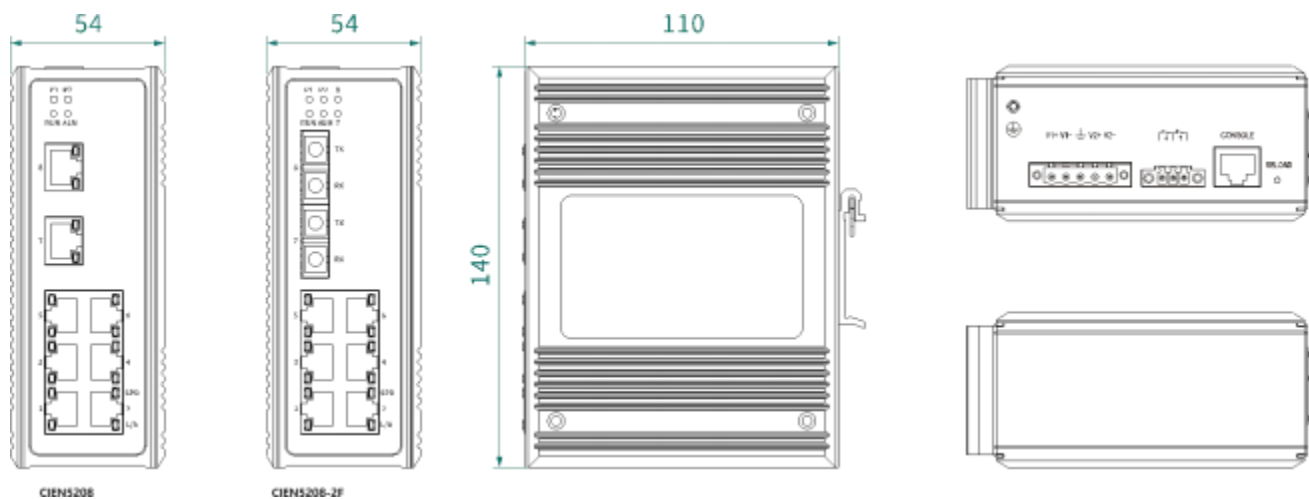
Technical Specifications

Protocol Standards	
IEEE Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802. 1w, IEEE802. 1D, IEEE802. 1Q, IEEE802. 1p
Software	
Switching	Support port configuration, rate configuration, storm suppression, received frames/sent frames/total traffic statistics Support 802. 1Q VLAN Support MAC address table
Redundancy	Support private ring network technology MW-Ring/MW-RingV2 Support RSTP, compatible with STP Support ERPS
Multicast	Support static multicast entries
Management and Maintenance	Support QoS quality of service, 802. 1P/DSCP/port priority mapping, absolute and relative priority control Support dual power supply power-off (only dual-power supply models)/ring network status/port status alarm, port mirroring, and Ping Support static IP, DHCP client, user password, system information Support online restart, factory settings restoration, system upgrade, configuration file upload/download
Switch Capability	
Processing Type	Store and Forward
Backboard Bandwidth	1.8Gbps
Cache Size	768kbit
MAC Table Size	2K
Interface	
100M Fiber Port	0/2 x 100Base-FX fiber ports, single mode/multimode, SC/FC/ST connectors, wavelength, transmission distance are optional
100M Copper port	8/6 × 10/100Base-T(X) auto-sensing RJ45 ports, support full/half duplex and auto MDI/ MDI-X

Button	Restart or restore factory settings button
Indicator	Power indicator, Status Indicator, Copper port speed and connection status indicator, fiber port indicator Alarm indicator

Power Supply

Power Input	DC models: DC9V~60V, dual power input, non-polarity AC models: AC85V~264V(47~63Hz)/DC110V~370V
Power Consumption	DC model: <2W@DC12V, <3W@DC12V (2F) AC model: <2W@AC220V, <3W@AC220V (2F)
Connection	DC models: 5.08mm pitch 5-pin terminal blocks AC models: 5.08mm pitch 3-pin terminal blocks
Power protection	Over-voltage and over-current protection

Physical Characteristics

Dimensions	140 × 54 × 110mm (DIN rail mounting clip excluded)
Installations	35mm DIN rail mounting
IP Code	IP40
Weight	About 0.6kg

Working Environment

Operating Temp	DC model: -40℃~+85℃ AC model: -40℃~+75℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (No condensation)

Industry Standard

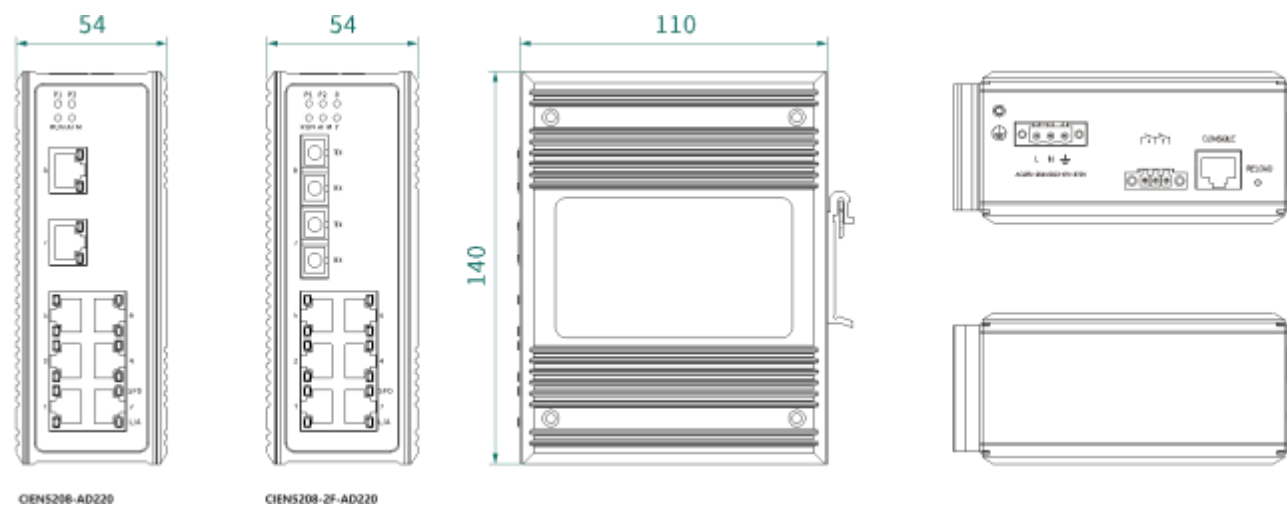| EMC Protection	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 3 *Ethernet ports support 6kV surge protection IEC 61000-4-4 (EFT): Level 4
Certification	CE, RoHS, FCC

Dimensions

Unit: mm

DC models:

CIEN5208

CIEN5208-2F

AC models:

CIEN5208-AD220

CIEN5208-2F-AD220

Ordering Information

Standard Model	100M Fiber Port	100M Copper Port	Input Voltage
CIEN5208	/	8	Dual DC9V-60V power input
CIEN5208-2F	2	6	
CIEN5208-AD220	/	8	Single AC85V-264V or DC110V-370V
CIEN5208-2F-AD220	2	6	

Contact Us

COME-STAR COMMUNICATION(WUHAN) CO., LTD.

Address: Puneng Industrial Park, Fenghuang Garden 1st Road, East Lake High-Tech Development Zone, Wuhan, China.

Tel: +86-027-59257958

Mail: info@come-star.com

Official site: www.come-star.com