

CIEN6208 Series

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



- 24 × 10/100Base-T(X) copper ports
- Fast Ring Redundancy (MW-Ring) <20ms enhances the reliability of system communication
- Support dual AC85~264V/DC110~370V power input, or dual DC18~75V power input options, support dual power redundancy
- High strength metal shell, IP40 protection,
- Fan-less for heat dissipation, can reliably work in harsh industrial environments of -40 °C~+75 °C

Product Description

CIEN6208 Series is an 8-port Layer 2 100M managed DIN-Rail industrial Ethernet switch specially designed and developed for industrial communication network applications. This series of products provides 8x100M Ethernet interfaces, which support 8 x 10/100M copper ports, 2x100M fiber ports and 6x10/100M copper ports or 4x100M fiber ports and 8x10/100M copper 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, fanless and efficient heat dissipation, -40°C~ +85°C wide temperature, high-standard industrial protection design, able to adapt to a variety of harsh operating environments.

CIEN6208 series supports WEB network management functions and multiple network protocols, such as MW-Ringv1/v2, ERPS, STP/RSTP, VLAN, QoS, static aggregation, IGMP Snooping, 802.1X, ACL, SNMP, LLDP, port mirroring, network diagnosis, alarm and system online upgrade, etc., which can improve the performance of the network, reliability and security to 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, etc. field.

Product Features

- 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 link aggregation, which can increase transmission bandwidth, improve link reliability and achieve network load sharing
- Support 802.1Q VLAN, Access, Trunk, Hybrid interface for multiple broadcast domains
- Support MAC address table and aging time limit, static unicast/multicast MAC address and interface binding to ensure legal user use
- Support IGMP Snooping multicast protocol to reduce the broadcast of multicast data in the network and save network resources
- Support LLDP link layer discovery protocol, obtains LLDP neighbor device information, and monitors link status to facilitate topology management and fault location
- 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 WEB control, HTTP, HTTPS access control, IP address login restriction
- Support SNMPv1/v2c, information query, information modification and troubleshooting can be carried out through the MIB network management system to achieve centralized management
- Support ACL access control list to filter specified protocol packets based on source/destination IP and MAC address
- Support 802.1X port authentication to authenticate and control access rights of access users

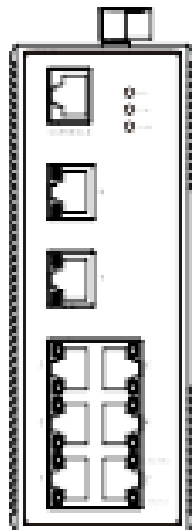
Technical Specifications

Software	
Switching	Support port configuration, port speed limit, static port aggregation
	Support port VLAN, 802.1Q VLAN
	Support MAC address aging and static unicast MAC address binding
Redundancy	Support private ring network technology MW-Ring/MW-RingV2
	Support RSTP, compatible with STP
	Support ERPS
Multicast	Support IGMP snooping
	Support static multicast
Security Management	Support WEB access control
	Support ACL, filter L2-L4 layer data
	Support 802.1X port authentication, Radius database
	Support alarms and email logs
Management and Maintenance	Support QoS, SNMP v1/v2c, LLDP
	Support port mirroring, Ping
	Support user management with different permissions, system logs, local time or network time synchronization
	Support online restart, restore factory settings, system upgrade, configuration file upload/download
	Support unified upper computer software management
Switch Capability	
Processing Type	Store and forward
Backboard Bandwidth	2Gbps
Cache Size	1Mbit
MAC Table Size	2K
Interface	
100M Fiber Port	100M SC/FC/ST connectors are optional, Transmission distance supports 1310nm multi-mode dual fiber 2km or 1310nm single-mode dual fiber 20km optional (40/60/80/100km optional)
100M Copper port	8 × 10/100Base-T(X) auto-sensing RJ45 ports, support full/half duplex and auto MDI/ MDI-X
Relay	1 relay alarm output, 6-pin 5.08mm pitch lock terminal block, 2 relay positions
Console	1* CONSOLE port, RS-232 serial port with an RJ-45 connector
Button	Factory reset
Indicator	Power indicator,
	Status Indicator,
	Copper port speed and connection status indicator,

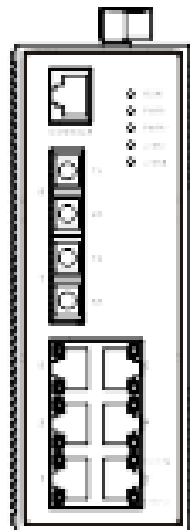
	Fiber port indicator
Power Supply	
Power Input	DC models: DC12V-48V, dual power input, non-polarity
	AC models: AC85V~264V(47~63Hz)/DC110V~370V
Power Consumption	DC model:<5W@DC24V
	AC model:<6W@AC220V
Connection	5.08mm pitch 6-pin terminal blocks
Power protection	Overvoltage and overcurrent protection
Physical Characteristics	
Dimension	140 × 54 × 110.4 mm (DIN rail mounting clip excluded)
Installation	35mm DIN rail mounting
IP Code	Strong aluminum alloy shell,
	IP40
Weight	About 0.6kg
Working Environment	
Operating Temp	DC model: -40°C~+85°C
	AC model: -40°C~+75°C
Storage Temp	-40°C~+85°C
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

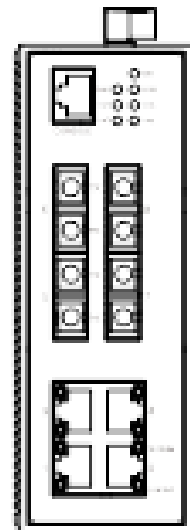
Unit: mm



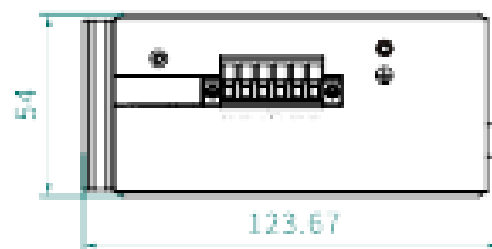
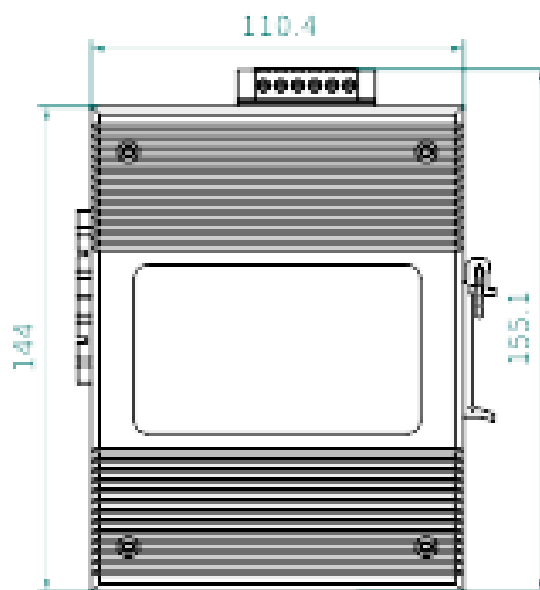
CIEN6208



CIEN6208-2F



CIEN6208-4F



Ordering Information

Standard Model	100M Fiber Port	100M Combo Port	Input Voltage
CIEN6208	/	8	Dual DC9V-60V
CIEN6208-2F	2	6	
CIEN6208-4F	4	4	
CIEN6208-AD220	/	8	Single AC85V-264V or DC110V-370V
CIEN6208-2F-AD220	2	6	
CIEN6208-4F-AD220	4	4	



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