CIEN5206G-2GF-4GT

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



- 2×1G fiber ports, 4×1G RJ45 copper ports
- MW-Ring (recovery time < 20 ms @ 200 switches), ERPS, STP/RSTP for network redundancy
- Support port mirroring, Ping, and optical module DDM for convenient troubleshooting.
- High-level EMS protection ensures stable operation in complex electromagnetic environments without external interference.
- AC85~264V/DC110~370V power input or DC9~60V redundant power inputs optional
- High-strength aluminum alloy shell, IP40-rated housing protection
- -40 ℃~+75 ℃ working temperature range

Product Description

CIEN5206G-2GF-4GT is a 6-port Layer 2 Gigabit managed DIN-rail industrial Ethernet switch. It adopts a store-and-forward mechanism and provides strong bandwidth processing capability. It can automatically troubleshoot packet errors to reduce transmission faults, and easily supports gigabit networking to ensure stable, reliable, and efficient data transmission.

This managed switch supports WEB management and multiple network protocols, improving network efficiency, reliability, and security to meet the needs of various complex network environments.

The product offers 2 Gigabit SFP ports and 4 Gigabit Ethernet ports. The fiber ports support multiple optional optical modules and enable long-distance fiber transmission with strong resistance to electromagnetic interference. The RJ45 ports support 10/100/1000 Mbps, full/half-duplex, and MDI/MDI-X auto-negotiation, providing high bandwidth, low latency, and reliable network communication for industrial automation applications.

This industrial switch adopts a reliable industrial-grade design and supports an operating temperature range of -40°C to +75°C. It has passed strict testing for functionality, temperature, safety, and EMC performance, ensuring stable operation in various field networks and harsh industrial environments. It can be widely used in industrial automation, integrated energy systems, smart cities, intelligent transportation, and smart factories.

Product Features

- 2 × Gigabit SFP ports + 4 × Gigabit RJ45 ports
- Support multiple ring redundancy protocols, including MW-Ring, ERPS, and STP/RSTP, to enhance network reliability
- Support IEEE 802.1Q VLAN, allowing division of multiple broadcast domains to improve network security
- Support static link aggregation, increasing bandwidth and providing link redundancy
- Support QoS to prioritize critical traffic and alleviate network congestion
- Support storm suppression to prevent broadcast storms and ensure stable network performance
- Support static multicast MAC address binding, reducing unnecessary multicast broadcast traffic
- Support MW-NMP proprietary network management protocol
- Support port mirroring, Ping, and SFP DDM, facilitating network troubleshooting and maintenance
- Alarm for power failure, port disconnection, and ring network status
- High-level EMS protection, ensuring stable operation in complex electromagnetic environments without external interference
- AC85~264V/DC110~370V power input or DC9~60V redundant power inputs optional
- Aluminum alloy housing with efficient heat dissipation and IP40-rated protection for robust industrial applications

Technical Specifications

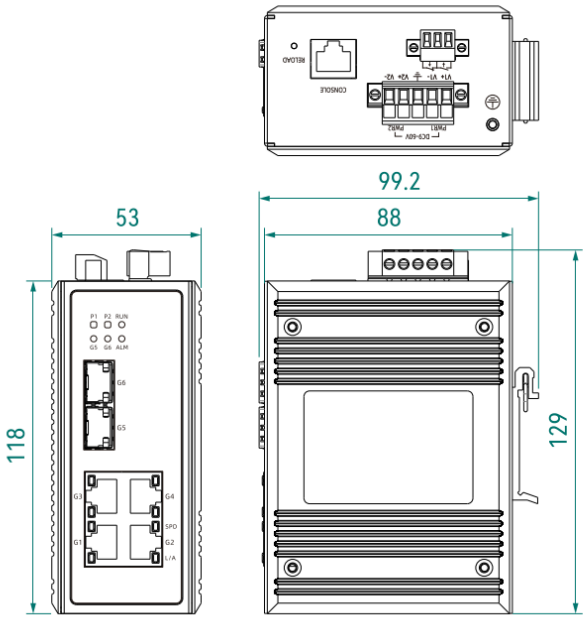
Network Protocol	
IEEE Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1D/w, IEEE 802.1p, IEEE 802.1Q
Switching	
Processing Type	Store-and-forward
Backplane Bandwidth	7.6 Gbps
Buffer Size	1Mbit
Jumbo Frame	16367 Byte
MAC Table Size	2k
Interface	
1G Fiber Port	2 x 1000 Base-X SFP ports, compatible with 100 Base-FX Recommend our SFP module to use together
1G Copper Port	4 x 10/100/1000 Base-T(X) auto-sensing Gigabit RJ45 port, 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
Button	One-click restart or factory reset
Status LED	Power indicator, operation indicator, alarm indicator, SFP interface indicator, port rate and connection/active status indicator
Power	
Power Input	DC Model: DC9~60V, redundant power inputs, non-polarity AC Model: AC85~264V / DC110~370V

Power Consumption	< 4.3W@DC24V (full load) < 4.5W@AC220V (full load)
Connection	DC Model: 5-pin 5.08mm terminal block AC Model: 3-pin 5.08mm terminal block
Physical Characteristics	
Dimension	118×53×88 mm (DIN rail mounting clip and connectors excluded)
Installation	35 mm standard DIN-rail installation
IP Code	IP40
Weight	About 0.48kg
Working Environment	
Operating Temp	-40℃~+75℃
Storage Temp	-40℃~+85℃
Ambient Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 (contact discharge±8kV, air discharge±15kV) IEC 61000-4-5 (Surge): Level 3 (power: common mode ±2kV, differential mode ±2kV Ethernet port: common mode ±6kV, differential mode ±2kV) IEC 61000-4-4 (EFT): Level 4 (power: ±4kV, Ethernet port: ±2kV)
Warranty	
Warranty Period	5 Years

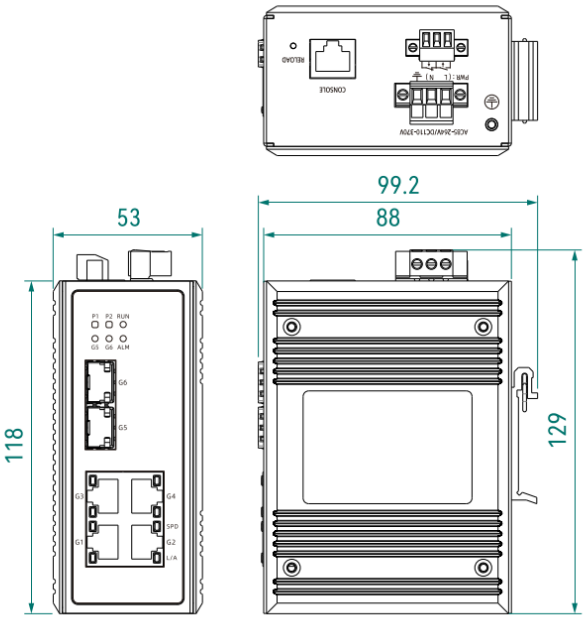
Dimensions

Unit: mm

CIEN5206G-2GF-4GT



CIEN5206G-2GF-4GT-AD220



Ordering Information

Standard Model	1G Fiber Port	1G Copper Port	Input Voltage
CIEN5206G-2GF-4GT	2	4	DC9~60V redundant power inputs
CIEN5206G-2GF-4GT-AD220	2	4	AC85~264V/DC110~370V power input

Contact Us

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