

CIEN3205G Series

5-Port Gigabit DIN Rail Unmanaged Industrial Ethernet Switch



- Support 5×1G copper ports, or 1×1G SFP port and 4× 1G Ethernet ports
- Ethernet ports support 10/100/1000M, full/half duplex, auto MDI/MDI-X connection
- Single AC85~264V/DC110~370V input, or dual DC 9V~60V inputs, dual input support power redundancy
- High-strength metal casing, IP40 protection level
- -40°C to +85°C operating temperature range

Product Description

The CIEN3205G series is a 5-port full Gigabit unmanaged industrial Ethernet switch designed for reliable, plug-and-play deployment in industrial communication networks. It provides 5* Gigabit Ethernet ports with flexible configurations, including 5* copper ports or a mixed setup with one fiber port and four copper ports, allowing easy adaptation to different network topologies. Supporting either DC or AC power input options, each Gigabit copper port features 10/100/1000 Mbps auto-negotiation, full- or half-duplex operation, and automatic MDI/MDI-X detection, ensuring fast installation and stable high-speed data transmission. This makes the CIEN3205G series well suited for industrial automation systems that require smooth, reliable, and efficient network communication.

Built with industrial-grade components, the CIEN3205G series features a rugged high-strength metal enclosure and a fanless thermal design for long-term reliability. It supports a wide operating temperature range from -40 °C to +85 °C, maintaining stable communication performance even in harsh industrial environments. Designed to meet demanding industrial protection requirements, the CIEN3205G switches are widely used in industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other industrial applications where durability and dependable connectivity are essential.

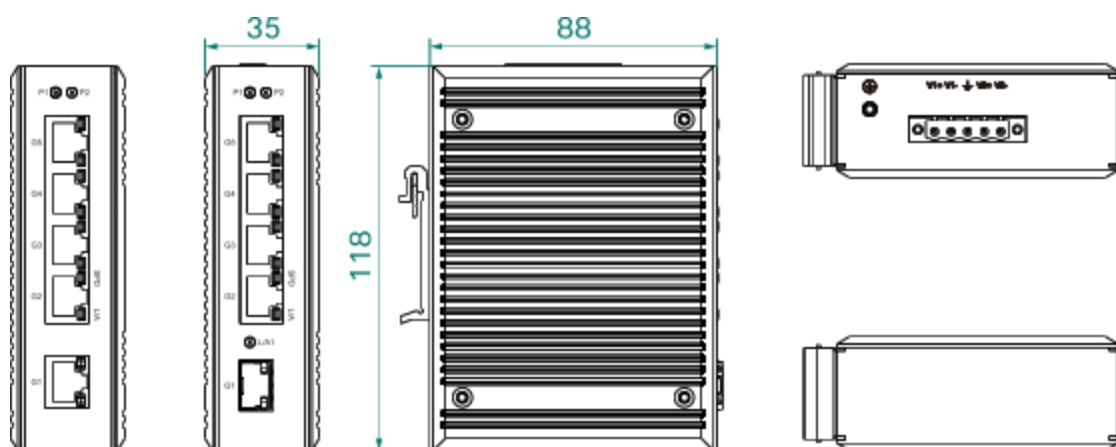
Technical Specifications

Switching		
Backplane Bandwidth	14Gbps	
Buffer Size	2Mbit	
MAC Table Size	2K	
Interface	CIEN3205G-5GT	CIEN3205G-GF-4GT
1G Fiber Port	/	1 * 1000Base-X SFP port
1G Copper Port	5* 10/100/1000Base-T(X) RJ45 ports, support full/half duplex, and auto MDI/MDI-X	4 * 10/100/1000Base-T(X) RJ45 ports, support full/half duplex, and auto MDI/MDI-X
Status LED	Power indicator, port indicator	
Power Supply		
Input Voltage	DC model: DC9V~60V, dual power redundancy, no polarity. AC model: AC85V~264V (frequency: 47~63Hz) or DC110V~370V.	
Power Consumption	<1.8W@DC12V (full load)	<2.5W@DC12V (full load)
Connection	5.08mm pitch 5-pin terminal block	
Physical Characteristics		
Dimensions	118 × 35 × 88mm (DIN rail mounting clip excluded)	
Installations	Standard 35mm DIN-rail	
IP Code	IP40	
Weight	0.4kg	
Working Environment		
Operating Temp	-40°C to +85°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
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	1G SFP Port	1G Copper Port	Input Voltage
CIEN3205G-5GT	/	5	Dual DC9V~60V power input
CIEN3205G-GF-4GT	1	4	
CIEN3205G-5GT-AD220	/	5	Single AC85V~264V or DC110V~370V
CIEN3205G-GF-4GT-AD220	1	4	



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