

CIEN2205 Series

5-Port Layer 2 100M DIN Rail Unmanaged Industrial Ethernet Switch



- 5×10/100Base-T(X) ports, or 1×100Base-FX port and 4×10/100Base-T(X) ports
- Fiber modules are with single-mode/multi-mode, single-fiber/dual-fiber, and transmission distances optional
- Copper port support 10/100Base-T(X), full/half-duplex, and auto MDI/MDI-X
- The Max. frame length of Jumbo frame transmission: 2048bytes
- Copper ports are with backpressure in half-duplex or IEEE802.3x flow control in full-duplex
- -40°C ~ +85°C operating temperature range, IP40 protection
- Single AC85V~264V/ DC110V~370V power input, or DC9V-60V redundant power inputs
- Aluminum alloy shell with fanless heat dissipation

Product Description

The CIEN2205 series is a 5-port Layer 2 unmanaged industrial Ethernet switch designed for DIN-rail installation and plug-and-play simplicity. It features flexible port configurations with 10/100M auto-sensing MDI/MDI-X copper ports and optional fiber ports equipped with various optical modules. The fiber-optic transmission ensures long-distance communication of up to 100 km with strong resistance to electromagnetic interference, while the copper ports support full/half-duplex operation for stable, high-bandwidth, and low-latency performance in industrial automation applications.

This series supports configurations of either 5* 10/100Base-T(X) ports or 1* 100Base-FX fiber port combined with 4* 10/100Base-T(X) ports. Built to meet rigorous industrial standards, it operates reliably in extreme temperatures ranging from -40°C to +85°C and undergoes strict testing for functionality, safety, and electromagnetic immunity. With its durable design and dependable performance, the CIEN2205 series is ideal for deployment in harsh environments across applications such as industrial automation, integrated energy, smart cities, intelligent transportation, and smart factories.

Technical Specifications

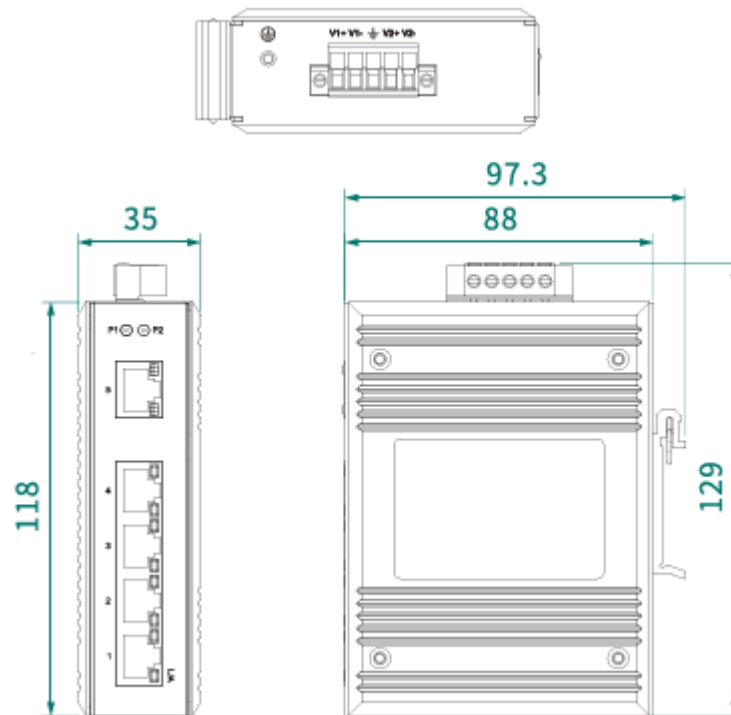
Protocol Standard		
IEEE Standard	IEEE802.3, IEEE802.3u, IEEE802.3x	
Switch Capability		
Processing Type	Store and forward	
Backplane Bandwidth	1Gbps	
Buffer Size	748Kbit	
Jumbo Frame Size	2048Byte	
MAC Table Size	2K	
Interface		
100M Fiber Port	1x100Base-FX 100M fiber port, SC/ST/FC connector, transmission distance supports 1310nm multi-mode dual-fiber 2km or 1310nm single-mode dual-fiber 20km (single fiber/dual fiber, 40/60/80/100km optional)	
100M Copper Port	4/5x10/100Base-T(X) auto-sensing 100M RJ45 ports, supporting full/half duplex, auto MDI/MDI-X	
Status LED	Power indicator light, interface indicator light	
Power Supply		
Input Voltage	DC Model: DC9V~60V, redundant power inputs, no polarity AC Model: AC85V~264V(47Hz~63Hz) or DC110V~370V	
Power Consumption	CIEN2205	CIEN2205-F
	DC Model: <0.9W@DC24V; AC Model: ≤1.2W@DC24V;	DC Model: ≤1.7W@AC220V; AC Model: ≤1.8W@AC220V;
Connection	5-position 5.08mm pitch lock terminal block	
Physical Characteristics		
Dimensions	118×35×88 mm (DIN rail mounting clip and connectors excluded)	

Installations	Easy installation on 35mm DIN rails
IP Code	IP40; Aluminum alloy shell
Weight	About 0.4kg
Working Environment	
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMS	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 3 ※The network port supports 6kV lightning protection IEC 61000-4-4 (EFT): Level 3
Certification	CE, FCC, RoHS

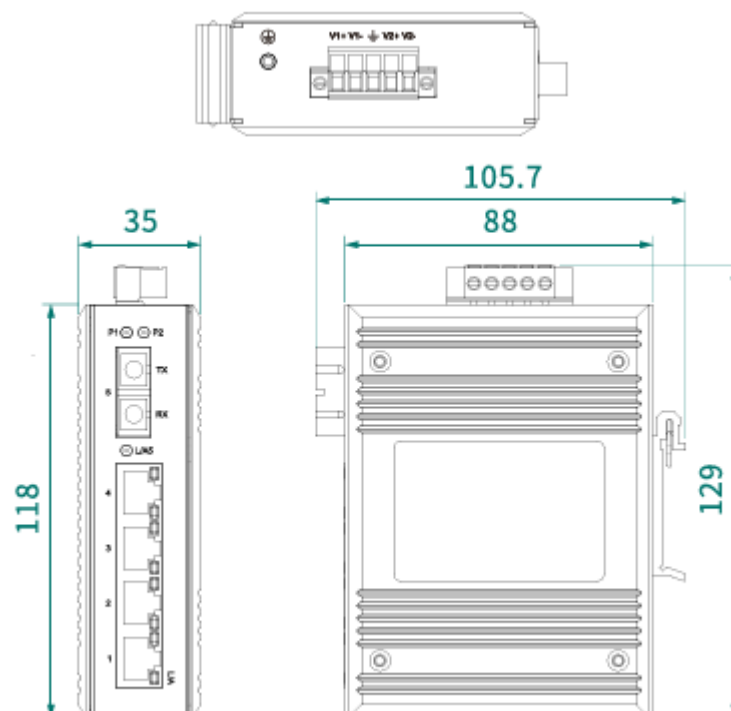
Dimensions

Unit: mm

CIEN2205



CIEN2205-F



Ordering Information

Standard Model	100M Fiber Port	100M Copper Port	Input Voltage
CIEN2205	/	5	DC9~60V redundant power inputs
CIEN2205-F(M/S)	1	4	
CIEN2205-AD220	/	5	AC85~264V or DC110~370V power input
CIEN2205-F(M/S)-AD220	1	4	



Contact Us

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