CIEN2205P-4TPoE

5-Port Layer 2 DIN Rail Unmanaged Industrial POE Ethernet Switch



- 4 x 10/100Base-T(X) PoE ports, 1 x 10/100Base-T(X) RJ45 port
- Compliant with IEEE802.3at standard, compatible with IEEE802.3af, maximum output power of single PoE port is 30W
- Support up to 2048 Bytes Jumbo Frame Transmission
- Half-duplex backpressure or full-duplex IEEE 802.3x flow control
- High-level EMS protection ensures stable and reliable operation in complex electromagnetic environments, unaffected by external electromagnetic interference
- Dual DC48V~52V power inputs for power redundancy
- High strength aluminum alloy shell, IP40-rated protection
- -40°C to +75°C working temperature

Product Description

CIEN2205P-4TPoE-DC48 is a 5-port Layer 2 100Mbps PoE unmanaged DIN-rail industrial Ethernet switch designed for plug-and-play installation while delivering stable PoE power output for field devices. The four PoE ports support 10/100Mbps transmission, full/half-duplex operation and auto MDI/MDI-X connection. The PoE ports comply with IEEE 802.3af/at standards, enabling network cables to provide both data and power to standard PD devices without interrupting communication. This simplifies installation, reduces power wiring costs, and ensures high-bandwidth, low-latency, and reliable connectivity for industrial automation applications.

Constructed with industrial-grade components and engineered for long-term operation, the switch features a compact DIN-rail design and supports a wide operating temperature range from -40°C to +75°C. Its robust protection design, fanless heat dissipation structure, and strict functional, temperature, safety, and EMC testing ensure stable performance in harsh industrial environments. The CIEN2205P-4TPoE-DC48 is suitable for industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other applications requiring reliable PoE-powered industrial networking.

Technical Specifications

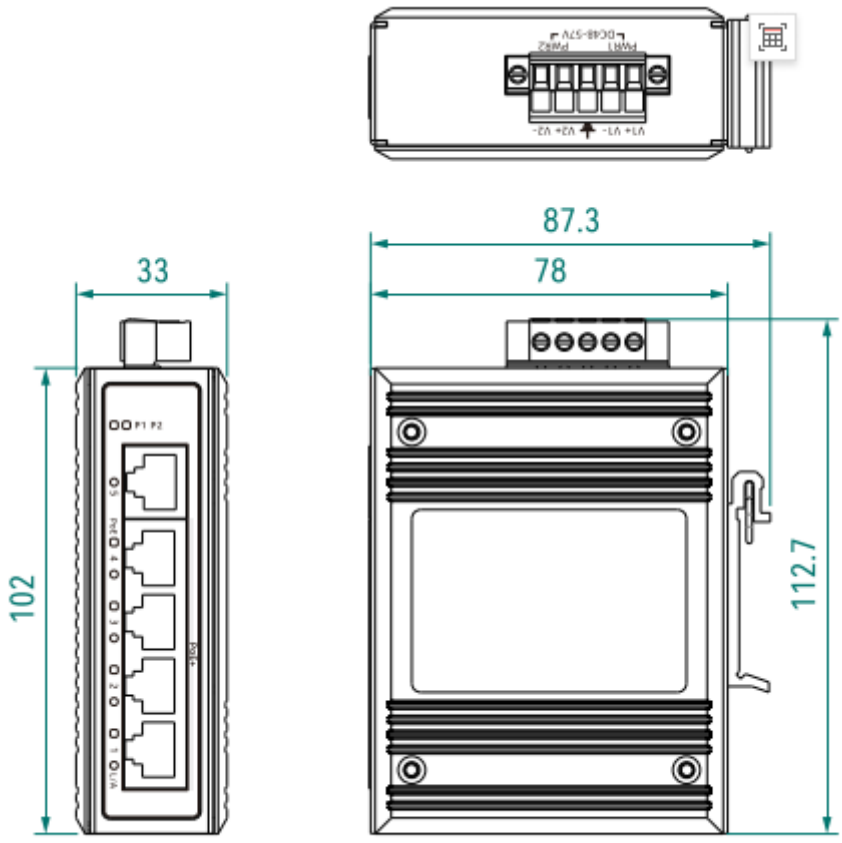
Protocol Standards	
IEEE Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af/at
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	1Gbps
Buffer Size	768kbit
Jumbo Frame Size	2048Byte
MAC Table Size	2K
Interface	
100M PoE Port	4×100Base-FX auto-sensing ports, full/half duplex, auto MDI/MDI-X, PoE power delivery complies with IEEE 802.3af/at standards, with a maximum output power of 30W per port. PoE power delivery pins: 1 and 2 are positive, 3 and 6 are negative.
100M Copper Port	1×10/100Base-T(X) auto-sensing RJ45 ports, full/half-duplex, auto MDI/MDI-X
Status LED	Power indicator, PoE indicator, copper port speed and connection/activity indicator
Power Supply	
Power Input	DC9~60V, supports dual power supply redundancy, anti-reverse protection (When a single PoE port needs to support a 30W load, the power input

	must reach DC 52V or higher.)
Power Consumption	≤1.2W@DC48V (without PoE) Maximum PoE output power of the entire unit: 120W
Connection	5-pin 5.08mm terminal block with lock
Physical Characteristics	
Dimensions	102×33×78 mm (excluding DIN rail & connectors)
Installations	Easy installation on 35mm DIN rails
Enclosure Protection	Aluminum alloy housing, IP40 protection rating
Weight	About 0.29 kg
Working Environment	
Operating Temp	-40°C to +75°C
Storage Temp	-40°C to +85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMS	IEC 61000-4-2 (ESD): Level 3 (Contact discharge ±6kV, Air discharge ±8kV) IEC 61000-4-5 (Surge): Level 2 (Power supply: Common mode ±1kV, Differential mode ±0.5kV; Ethernet port: Common mode ±2kV, Differential mode ±1kV)

	IEC 61000-4-4 (EFT): Level 3 (Power supply: ±2kV; Ethernet port: ±2kV)

Dimensions

Unit: mm



Ordering Information

Standard Model	100M PoE Port	100M Copper Port	Input Voltage
CIEN2205P-4TPoE-DC48	4	1	Dual DC48V~52V power inputs

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: sales@come-star.com

Official site: www.come-star.com

Copyright © Come-Star All rights reserved