

CIEN2204-2F

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



- 2×100Base-FX ports, 2×10/100Base-T(X) RJ45 ports
- Fiber modules are available with optional single-mode/multi-mode, single-fiber/dual-fiber, and transmission distances.
- The Max. transmission distance about: 100km under strong electromagnetic interference resistance.
- 10/100Base-T(X) copper ports with full/half-duplex, and MDI/MDI-X auto-sensing, plug-and-play
- Jumbo frames up to 2048 bytes
- Copper ports feature backpressure in half-duplex and IEEE 802.3x flow control in full-duplex mode
- ESD, lightning surge, and burst protection to ensure stable operation in complex electromagnetic environments
- Single AC85V-264V/DC110V-370V power input or dual DC9V-60V power inputs, with dual power redundancy
- Aluminum alloy shell, efficient heat dissipation.
- EMS Level 3, IP40 protection, -40°C to +85°C wide operating temperature range

Product Description

The CIEN2204-2F is a 4-port Layer 2 unmanaged DIN-rail industrial Ethernet switch designed for plug-and-play operation. It features two 100Base-FX fiber ports equipped with 1×9 optical modules, supporting long-distance fiber-optic transmission with strong resistance to electromagnetic interference. The two 10/100Base-T(X) copper ports offer full/half-duplex capability and auto-sensing MDI/MDI-X, ensuring fast, stable, and low-latency network performance for industrial automation and other mission-critical applications.

Built to meet high industrial standards, the CIEN2204-2F operates reliably in extreme environments with a wide temperature range from -40°C to +85°C. Its rugged design undergoes strict testing for functionality, safety, and electromagnetic immunity, delivering durability and stability for diverse network deployments. This switch is widely applied in industrial automation, integrated energy, smart cities, intelligent transportation, smart factories, and other demanding fields.

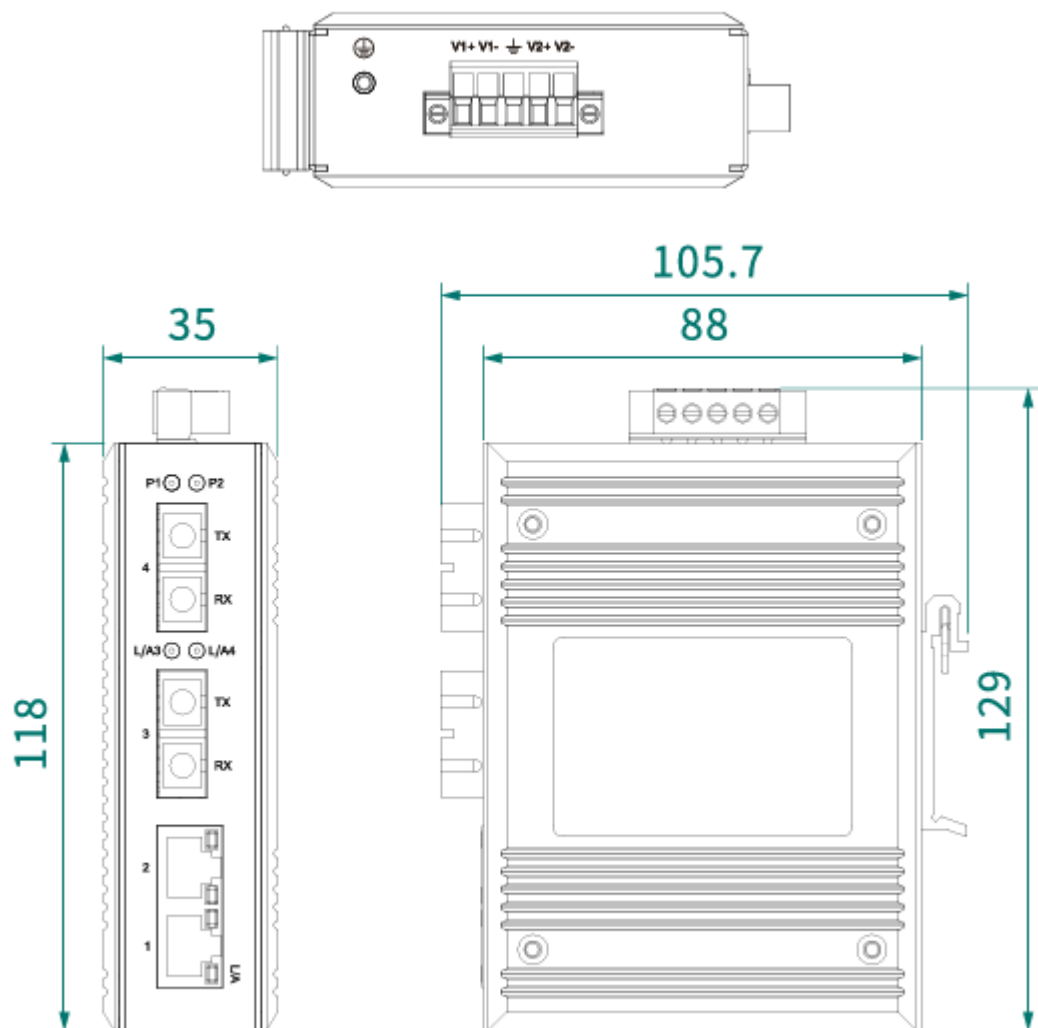
Technical Specifications

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	2x100Base-FX 100M fiber ports, SC/ST/FC interfaces, transmission distances: 1310nm multi-mode dual-fiber (2km) or 1310nm single-mode dual-fiber (20km). (single/dual fiber options: 40/60/80/100km)
100M Copper Port	2x10/100Base-T(X) auto-sensing 100M RJ45 ports, supporting full/half duplex, auto MDI/MDI-X
Status LED	Power indicator, interface indicator, activity indicator light
Power Supply	
Input Voltage	DC Model: DC9V~60V, redundant power inputs, no polarity AC Model: AC85V~264V (47Hz~63Hz) or DC110~370V
Power Consumption	≤2.3W@DC24V (DC); ≤2.6W@AC220V (AC)
Connection	5-pin 5.08mm pitch lock terminal block
Physical Characteristics	
Dimensions	118×35×88 mm (DIN rail mounting clip excluded)
Installations	Easy installation on 35mm DIN rails
IP Code	IP40; Aluminum alloy shell
Weight	About 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	
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 4
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	100M Fiber Port	100M Copper Port	Input Voltage
CIEN2204-2F(M/S)	2	2	Dual DC9~60V power inputs
CIEN2204-2F(M/S)-AD220	2	2	Single AC85~264V or DC110~370V power input



Contact Us

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