

CIEN2210-2F

10-Port L2 100M Unmanaged DIN Rail Industrial Ethernet Switch



- 2 × 100Base-FX ports, 8×10/100Base-T(X) ports
- Fiber ports support SC/ST/FC, single-mode/multi-mode, wavelength, and transmission distance optional
- Copper ports support full/half duplex and auto MDI/MDI-X, plug and play
- IEEE 802.3x flow control in full-duplex mode and backpressure flow control in half-duplex mode
- Support 9216 Byte jumbo frames
- Relay output warning for power failure
- AC85V~264V/DC110V~370V power supply, or dual DC9V~60V inputs
- High-strength metal casing with IP40-rated protection
- -40°C to +75°C operating temperature range

Product Description

The CIEN2210-2F is a 10-port Layer 2 100Mbps unmanaged DIN-rail industrial Ethernet switch. It is equipped with 2* 100Mbps fiber ports and 8* 100Mbps copper RJ45 ports, with model options supporting either DC 9–60V or AC/DC 220V power inputs to accommodate diverse installation environments. Each copper port features auto-sensing, full- or half-duplex operation, and automatic MDI/MDI-X detection, enabling flexible deployment and stable data exchange without manual configuration. Designed for plug-and-play industrial applications, the industrial unmanaged switch offers dependable communication performance to support evolving automation and value-added networking needs.

Built with industrial-grade components and strict production standards, the CIEN2210-2F switch ensures long-term stability in harsh operating conditions. The device features a rugged metal enclosure, standard 35mm DIN-rail installation, and a wide operating temperature range of –40°C to +75°C to ensure reliable operation in environments subject to extreme temperatures, vibration, and electromagnetic interference. Each unit undergoes comprehensive functional, thermal, safety, and EMC testing to guarantee performance consistency across demanding industrial scenarios. The series is well suited for deployment in industrial automation, integrated energy systems, smart cities, intelligent transportation, and smart factory applications.

Technical Specifications

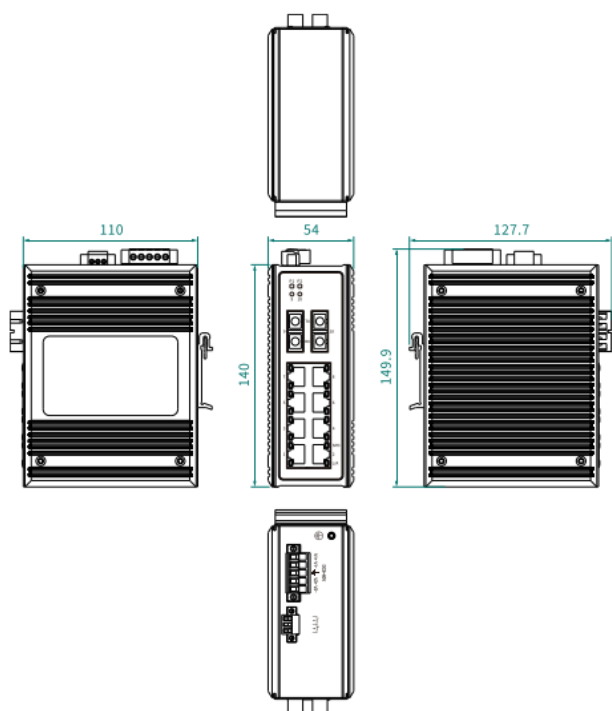
Protocol Standard	
IEEE Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Switching	
Processing Type	Store and forward
Backplane Bandwidth	2Gbps
Buffer Size	768kbit
Jumbo Frame Size	9216Byte
MAC Table Size	8K
Interface	
100M Fiber Port	2 x 100Base-FX fiber ports, SC/FC/ST optional; Transmission distance: 1310nm multimode dual-fiber (2km) or 1310nm single-mode dual-fiber (20km) (optional: 40/60/80/100km)
100M Copper Port	8 x 10/100Base-T(X) auto-sensing RJ45 ports, support full/half duplex and auto-sensing MDI/MDI-X
Relay	1 x relay alarm output, using 3-pins 3.81mm pitch locking terminal blocks
Status LED	Power indicator, FX port indicator, TX port speed and connection/activity status indicator
Power Supply	
Input Voltage	DC Model: DC9V~60V, Dual inputs for power redundancy., reverse connection protection AC Model: Single AC85~264V/DC110~370V power input
Power Consumption	≤3.0W@DC24V, ≤3.1W@AC220V
Connection	5.08mm Pitch Locking Terminal Block
Physical Characteristics	

Dimensions	144×54×110.4 mm (DIN rail mounting clip excluded)
Installations	Easy installation on 35mm DIN rails
IP	IP40; Aluminum shell
Weight	About 0.62kg (DC); About 0.73kg (AC)
Working Environment	
Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC61000-4-2 (ESD): Level 4 (Contact discharge ±8kV, air discharge ±15kV) IEC61000-4-5 (Surge): Level 4 (Power supply: Common mode ±4kV, Differential mode ±2kV; Network port: Common mode ±6kV, Differential mode ±2kV) IEC61000-4-4 (EFT): Level 4 (Power supply: ±4kV; Network port: ±2kV)
Certification	CE, FCC, RoHS

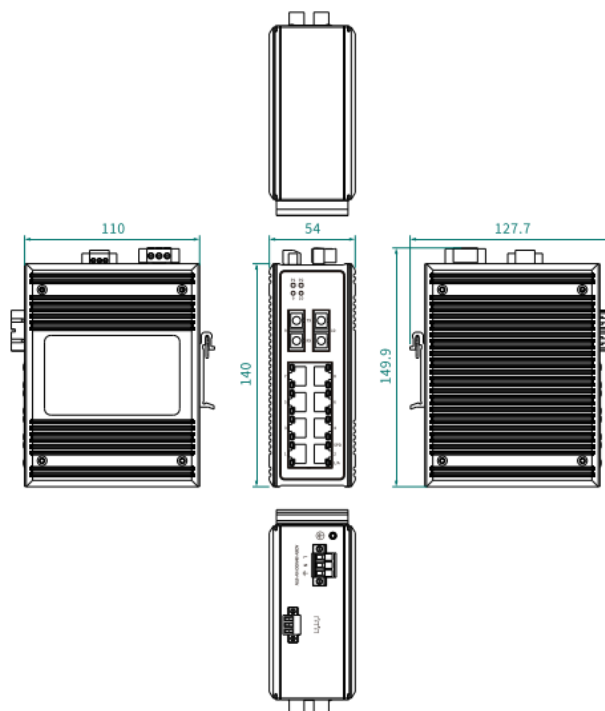
Dimensions

Unit: mm

CIEN2210-2F



CIEN2210-2F-AD220



Ordering Information

Standard Model	100M Fiber Port	10/100M Copper Port	Input Voltage
CIEN2210-2F(M/S)	2	8	Dual DC9V~60V power inputs
CIEN2210-2F(M/S)-AD220	2	8	Single AC85V~264V/DC110V~370V power supply



Contact Us

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