

CIEN2220-4F

20-Port 100M DIN Rail L2 Industrial Ethernet Switch



- 16 × 100M copper ports, 4 × 100M fiber ports
Relay output and status LED warning for power failure
- Support single AC85~264V / DC110~370V power supply, or dual DC9~60V redundant power input
- -40°C ~+85°C operating temperature range
- High strength metal case, IP40-rated protection

Product Description

The CIEN2220-4F is a 20-port 100 Mbps unmanaged industrial Ethernet switch designed for reliable, plug-and-play deployment in industrial communication networks. It offers 4 × 100 Mbps fiber ports and 16 × 100 Mbps copper ports, providing flexible connectivity for mixed fiber–copper environments. Each Ethernet port supports 10/100 Mbps auto-negotiation, full- or half-duplex operation, and automatic MDI/MDI-X detection, ensuring quick installation and stable data transmission without configuration. With optional AC or DC power input, the switch adapts easily to different industrial power conditions while delivering smooth, dependable communication for automation and control systems.

Built with industrial-grade components, the CIEN2220-4F features a compact 35 mm DIN-rail mounting design and a rugged high-strength metal enclosure for long-term durability. Its fanless thermal design enables reliable operation across a wide temperature range of -40 °C to +85 °C (-40 °C to +75 °C for AC models), ensuring consistent performance in harsh environments. Designed to meet high industrial protection standards, the switch maintains stable communication under vibration, temperature extremes, and electrical interference, making it well suited for industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other demanding industrial applications.

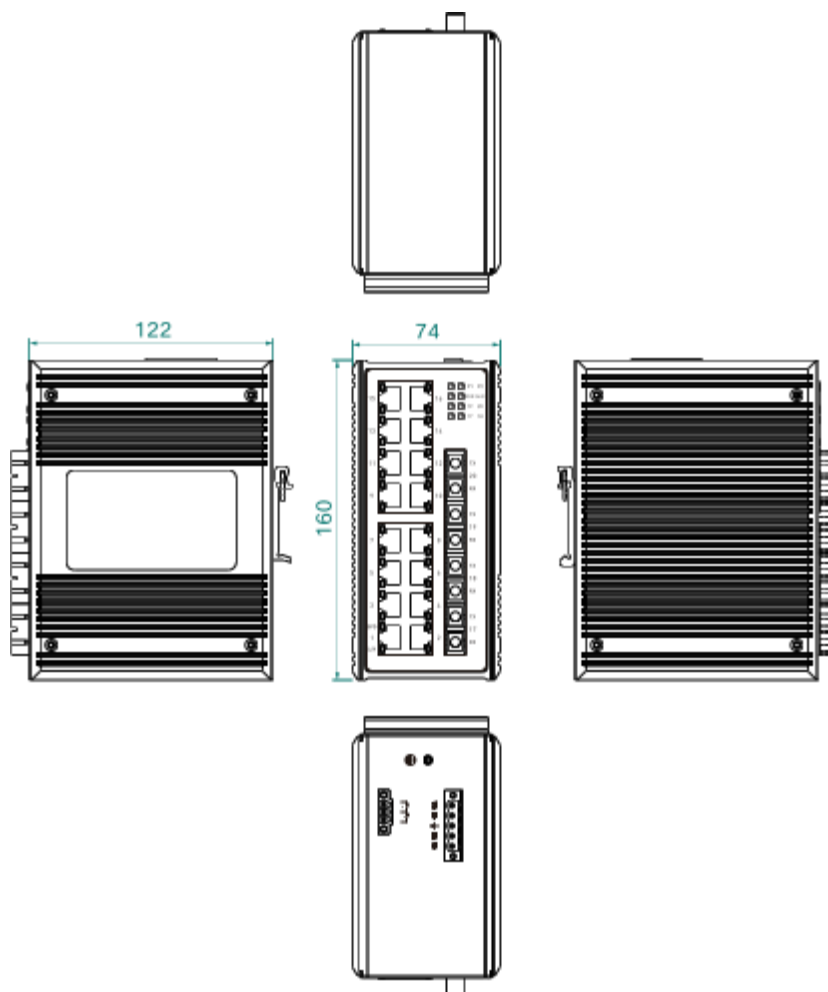
Technical Specifications

Switching	
Backplane Bandwidth	12.8Gps
Buffer Size	4.1 Mbit
MAC Table Size	8K
Interface	
100M Copper Port	16 * 10/100M Base-T(X) auto-sensing, RJ45 copper port supports full/half duplex and auto-MDI /MDI-X connection
100M Fiber Port	4 * 100M Base-FX ports, support SC/FC/ST connectors, single mode/multimode
Relay	1* relay alarm output, 3-pin 3.81mm terminal block
Status LED	Power indicator, operation indicator, alarm indicator, interface indicator
Power supply	
Input Voltage	DC model: DC9V~60V, dual power supply redundancy, reverse connection protection AC model: AC85V~264V (frequency: 47~63Hz) or DC110V~370V
Power Consumption	<9W@DC24V
Connection	5-pin 5.08mm terminal block
Physical Characteristics	
Dimensions	160 × 74 × 122mm (Din-rail mounting clip excluded)
Installation	35mm standard DIN-rail installation
IP Code	IP40
Weight	About 1.2kg
Working Environment	
Operating Temp.	DC model: -40°C ~ +85°C AC model: -40°C ~ +75°C
Storage Temp.	-40°C ~ +85°C

Relative Humidity	5%~95% (No condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 4 ※The network port supports 6kV lightning protection IEC 61000-4-4 (EFT): Level 4
Certification	CE, RoHS, FCC

Dimensions

Unit: mm



Ordering Information

Standard Model	100M Copper Port	100M Fiber port	Input Voltage
CIEN2220-4F(M/S)	16	4	Dual DC9V~60V power inputs
CIEN2220-4F(M/S)-AD220	16	4	Single AC85V~264V or DC110V~370V



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

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