

CIEN1203-F

3-port 100M DIN-Rail Industrial Ethernet Fiber Media Converter



- Support 1 x 100M fiber port, 2 x 10/100M copper ports
- Fiber port supports multiple types of optical modules, copper ports support 10/100M. The copper ports support 10/100Base-T(X), full/half duplex, auto MDI/MDI-X, plug and play
- Support Jumbo frame transmission, with a maximum frame length of 2048 bytes
- Support single AC85~264V/DC110~370V power input, or dual DC9~60V redundant power input optional
- High strength metal shell, IP40 protection, fanless shell heat dissipation
- -40°C to +85°C working temperature

Product Description

The CIEN1203-F series is a 3-port 100M DIN-rail industrial Ethernet fiber media converter supporting Ethernet-to-fiber conversion for long-distance data transmission. The fiber port supports multiple fiber module options, utilizing fiber transmission for strong electromagnetic interference resistance with a maximum transmission distance of 100km. The copper ports support 10/100M, full/half-duplex, and MDI/MDI-X auto-negotiation, offering plug-and-play convenience for industrial automation applications requiring high-bandwidth, low-latency, and highly reliable network communication.

The CIEN1203-F features 1 x 100M Fiber Port (1×9mm optical module) and 2 x 100M copper Ports. Built with reliable industrial-grade design, it operates within a temperature range of -40°C to +85°C. It has passed rigorous functional, safety, and electromagnetic immunity testing to meet diverse network field and harsh industrial environment requirements. Widely applicable in industrial automation, integrated energy management, smart cities, intelligent transportation, and smart factories.

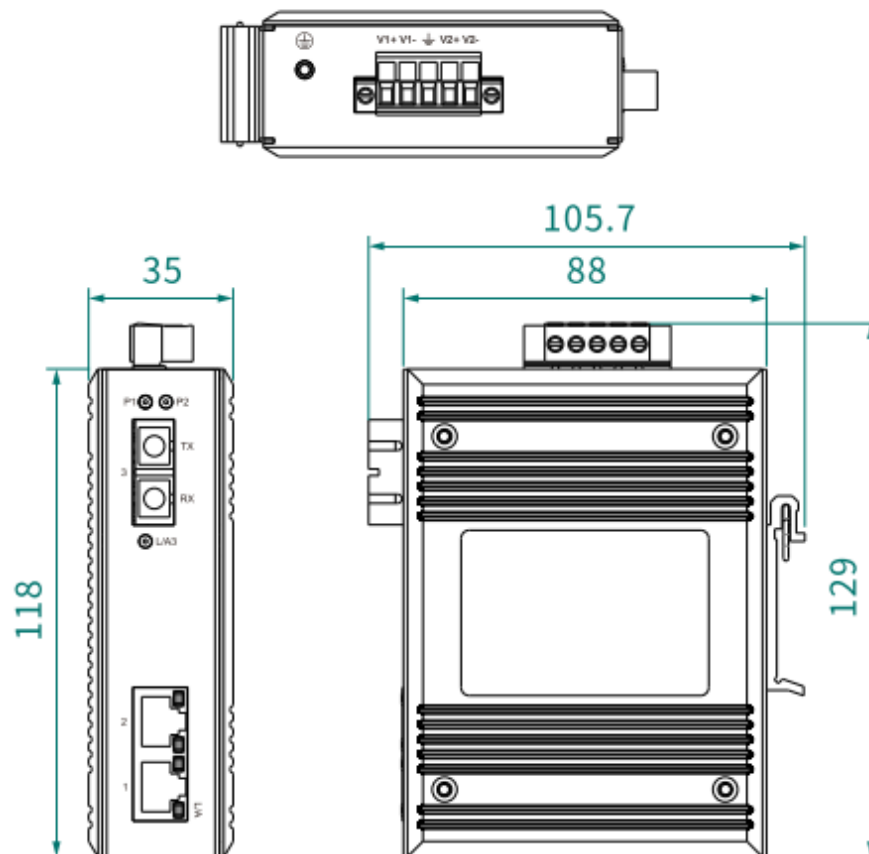
Technical Specifications

Protocol Standard	
IEEE Standards	IEEE802.3, IEEE802.3u, IEEE802.3x
Interface	
Processing Type	Store-and-Forward
Backplane Bandwidth	1Gbps
Buffer Size	768Kbit
Jumbo frame	2048Byte
Mac Table Size	2K
Interface	
Fiber Port	1x100Base-FX fiber port, supporting optional SC/ST/FC connectors. Transmission distance options include 2km over 1310nm multimode dual-fiber or 20km over 1310nm single-mode dual-fiber (single-fiber/dual-fiber, 40/60/80/100km options available)
Copper Port	2x10/100Base-T(X) auto-sensing RJ45ports, support full/half duplex, auto MDI/MDI-X
Status LED	Power indicator, interface connection/activity indicator
Power Supply	
Input Voltage	DC model: Dual DC9~60V redundant power input, non-polarity AC model: AC85~264V (47Hz~63Hz) or DC110~370V
Power Consumption	≤1.4W@DC24V (DC), ≤1.7W@AC220V (AC)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	118×35×88 mm (DIN rail mounting clip and connector excluded)
Installations	35mm standard DIN-rail mounting
IP Code	IP40, Aluminum alloy housing,
Weight	About 0.4kg
Working Environment	

Operating Temp	-40°C~+85°C
Storage Temp	-40°C ~+85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 3 * Network port supports 6kV lightning protection IEC 61000-4-4 (EFT): Level 3

Dimensions

Unit: mm



Ordering Information

Standard Model	100M Fiber Port	100M Copper Port	Input Voltage
CIE1203-F(M/S)	1	2	Dual DC9~60V
CIE1203-F(M/S)-AD220	1	2	AC85~264V/DC110~370V



Contact Us

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