

CIEN3210GP-2GF-8GTPoE

10-Port Layer 2 Gigabit DIN-rail Unmanaged Industrial POE Switch



- 2 x 1000Base-X SFP ports, 8 x 10/100/1000Base-T(X) PoE RJ45 ports
- Compliant with IEEE802.3at standard, compatible with IEEE802.3af, maximum output power of single PoE port is 30W
- Support up to 9216 Bytes Jumbo Frame Transmission
- Dual DC24V or DC48V power inputs for power redundancy
- High strength aluminum alloy shell, IP40-rated protection
- -40°C to +75°C working temperature range

Product Description

The CIEN3210GP-2GF-8GTPoE is a 10-port Layer 2 fully Gigabit unmanaged PoE DIN-rail industrial Ethernet switch equipped with 2* 1G SFP ports and 8* 1G PoE copper ports. Its PoE functionality complies with IEEE 802.3af/at standards, enabling direct power delivery to compatible PD devices through Ethernet cables without interrupting data transmission, which significantly reduces wiring and installation costs. All Gigabit ports support 10/100/1000M auto-negotiation, full- or half-duplex modes, and automatic MDI/MDI-X detection, providing high bandwidth, reliable connectivity, and smooth data flow for industrial automation applications. Designed with industrial-grade components and strict production control, the switch ensures stable and efficient network performance to support the growing demands of modern industrial communication.

Built for harsh and complex operating environments, the switch adopts a rugged high-strength aluminum alloy enclosure, 35mm DIN-rail installation, and a fanless thermal design for long-term reliability. It operates within a wide temperature range of -40°C to +75°C and incorporates a high-standard industrial protection design to maintain dependable communication under shock, vibration, electromagnetic interference, and extreme climate conditions. Undergoing comprehensive functional, temperature, safety, and EMC testing, the CIEN3210GP-2GF-8GTPoE is well suited for deployment in industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other mission-critical industrial networks.

Technical Specifications

Protocol Standards	
IEEE Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af/at
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	20Gbps
Buffer Size	1.5Mbit
Jumbo Frame Size	9216Byte
MAC Table Size	4K
Interface	
Fiber Port	2×1000Base-X SFP ports, compatible with 100Base-FX
PoE Port	8×10/100/1000Base-T(X) auto-sensing RJ45 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.
Relay	1×relay alarm output, utilizing 3-position 5.08mm pitch locking terminal blocks
Status LED	Power indicator, PoE indicator, fiber port indicator, copper port speed and connection/activity indicator
Power Supply	

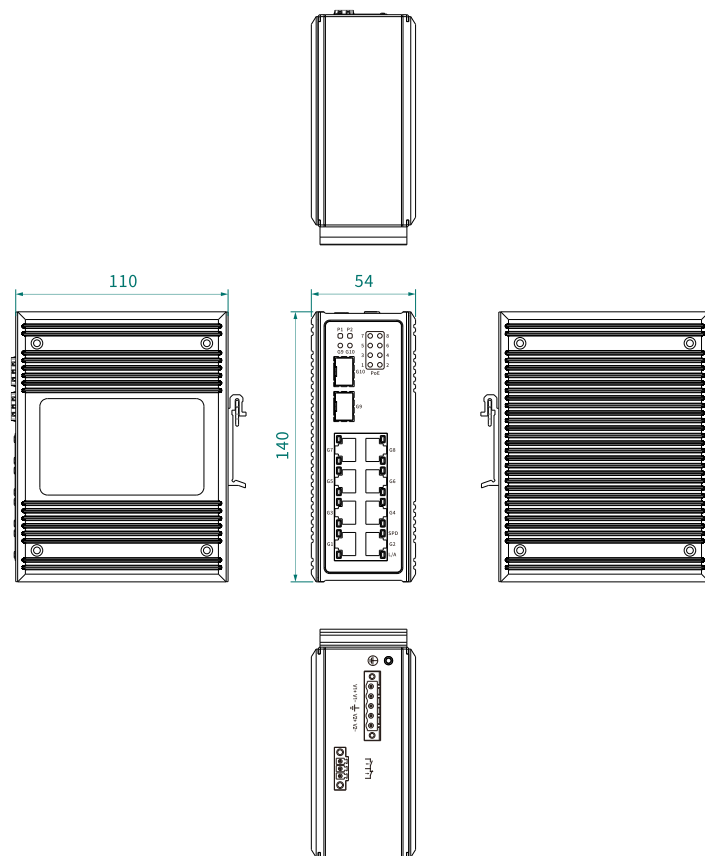
Power Input	DC24V model: DC24V, dual power redundancy, anti-reverse protection DC48V model: DC48~52V, dual power redundancy, anti-reverse protection (When a single PoE port needs to support a 30W load, the power input must reach DC 52V or higher.)
Power Consumption	DC24V model: < 8W@DC24V (no PD), maximum PoE output power of the entire unit is 65W DC48V model: < 7W@DC48V (no PD), maximum PoE output power of the entire unit is 210W
Connection	5-pin 5.08mm terminal block with lock
Physical Characteristics	
Dimensions	140×54×110 mm (excluding DIN rail & connectors)
Installations	Easy installation on 35mm DIN rails
Enclosure Protection	Aluminum alloy housing, IP40 protection rating
Weight	About 0.78 kg(DC24), About 0.69 kg(DC48)
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 4

IEC 61000-4-5 (Surge): Level 3

IEC 61000-4-4 (EFT): Level 4

Dimensions

Unit: mm



Ordering Information

Standard Model	1G SFP Port	1G PoE Port	Input Voltage
CIEN3210GP-2GF-8GTPoE-DC24	2	8	Dual DC24V power inputs
CIEN3210GP-2GF-8GTPoE-DC48	2	8	Dual DC48~52V power inputs



Contact Us

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