CIEN3028-4GC-4/8/16F

28-Port L2 Unmanaged Rack Mount Industrial Switch



- 4×Gigabit combo ports, 24×10/100Base-T(X) RJ45 ports
- Gigabit combo ports support 10/100/1000Base-T(X) auto-sensing RJ45 port or 1000Base-X Gigabit SFP port optional
- 10/100Base-T(X) ports support full/half duplex and auto MDI/MDI-X, plug and play, convenient and fast
- Support dual power supply power-down alarm and provide alarm indicator and relay alarm
- Support single or dual AC85V~264V/DC110V~370V power supply optional
- With IP40 high-strength metal housing and fanless heating dissipation
- -40°C to +75°C operating temperature range

Product Description

The CIEN3028-4GC series is a family of 28-port Layer 2 unmanaged rack-mount industrial Ethernet switches engineered for reliable, plug-and-play communication in demanding industrial environments. Each model integrates 4* Gigabit combo fiber/Ethernet ports alongside selectable Fast Ethernet configurations, including 4F, 8F, or 16F fiber uplink options to meet diverse deployment needs. All 10/100Mbps Ethernet ports support auto-sensing, full/half-duplex modes, and automatic MDI/MDI-X detection, ensuring seamless and stable connectivity across industrial automation networks.

Designed with industrial-grade components and built into a rugged metal 19-inch rack-mount enclosure, the series delivers long-term durability and dependable performance in harsh conditions. A fanless thermal design supports operation across a -40°C to +75°C temperature range, while optional DC24V, DC48V, or AC220V single/dual power inputs provide flexible power adaptation. With high-level industrial protection, robust EMC resistance, and stable network performance, the CIEN3028-4GC series is ideal for applications in industrial automation, smart factories, integrated energy systems, smart cities, and intelligent transportation.

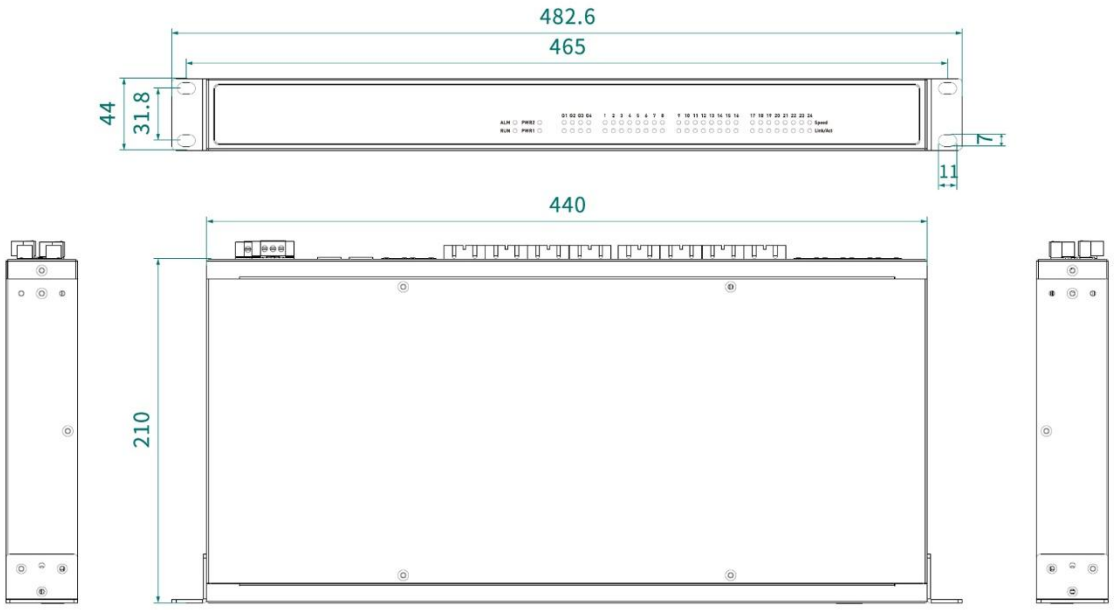
Technical Specifications

Switching Capacity	
Switch Capability	Store-and-Forward
Backplane Bandwidth	12.8Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	
1G Combo Port	4×1G combo ports, support 10/100/1000Base-T(X) auto-sensing RJ45 port or 1000Base-X SFP port optional, RJ45 port supports full/half duplex and auto MDI/MDI-X
100M Fiber Port	4/8/16× 100Base-FX Fiber ports, SC/FC/ST connectors, transmission distances include 2km for 1310nm multimode dual-fiber or 20km for 1310nm single-mode dual-fiber (with optional distances of 40km, 60km, 80km, or 100km).
100M Copper Port	20/16/8×10/100Base-T(X) auto-sensing RJ45 ports, support full/half duplex and auto MDI/MDI-X
Relay	1× relay alarm output, 3-position 5.08mm pitch lock terminal block
Status LED	Power indicator, running indicator, alarm indicator, interface speed and connection/activity indicator
Power Supply	
Input Voltage	AC Model: Single or dual AC85V~264V/DC110V~370V inputs DC Model: Single or dual DC18~72V, reverse polarity protection
Power Consumption	AC Model: <15W@AC220V (full load) DC Model: <12W@DC48V (full load)
Connection	5-position 5.08mm pitch lock terminal block
Physical Characteristics	
Dimensions	482.6×44×210 mm (including mounting clip)
Installations	Standard 19-inch 1U rack mount installation
IP Code	IP40

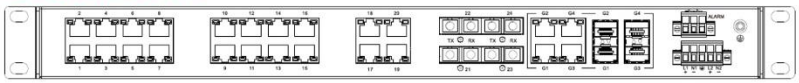
Weight	About 3kg
Working Environment	
Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5%~95% (no condensation)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 4 ※Ethernet port supports 6kV lightning protection IEC 61000-4-4 (EFT): Level 4

Dimensions

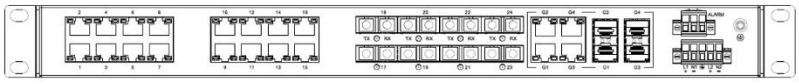
Unit: mm



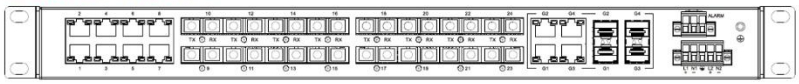
CIEN3028-4GC-4F:



CIEN3028-4GC-8F:



CIEN3028-4GC-16F:



Ordering Information

Standard Model	1G Combo Port	100M Fiber Port	10/100M Copper Port	Input Voltage
CIEN3028-4GC-16F(M/S)-AD220	4	16	8	Single AC85~264V/DC110~370V inputs
CIEN3028-4GC-16F(M/S)-AD220	4	16	8	Single or dual DC18~72V inputs
CIEN3028-4GC-16F(M/S)-AD220	4	16	8	Single or dual DC18~72V inputs

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