CIEN2024

24-Port Unmanaged Rack Mount Industrial Fast Ethernet Switch



- 24 × 10/100Base-T(X) RJ45 ports
- Copper ports support 10/100 Mbps, full/half duplex, and auto MDI/MDI-X
- Relay output and status LED warning for power failure
- DC24, DC48 or AD220 multiple power input options are available, and dual inputs support power redundancy.
- High-strength metal casing, IP40 protection, fanless design
- -40°C to +75°C operating temperature range

Product Description

The CIEN2024 is a 24-port Layer 2 unmanaged industrial Ethernet switch offering plug-and-play simplicity for rugged environments. Its 24× 10/100Base-T(X) RJ45 ports feature auto-sensing, full/half-duplex operation, and auto MDI/MDI-X switching, ensuring reliable, high-speed communication for industrial automation. Built with industrial-grade components, the switch's fanless metal housing and -40°C to +75°C operating range withstand extreme temperatures, vibrations, and EMI. The 1U rack-mount design delivers stable performance in harsh conditions—from factory floors to outdoor installations—without configuration overhead.

Rigorously tested for functionality, temperature resilience, and electromagnetic immunity, the CIEN2024 meets the demands of mission-critical networks. Its robust construction ensures uninterrupted operation in industrial automation, smart grids, transportation systems, and smart factories. By combining zero-configuration deployment with industrial-grade protection, this switch reduces downtime and simplifies integration, making it ideal for projects that prioritize reliability, durability, and cost-efficiency in challenging environments.

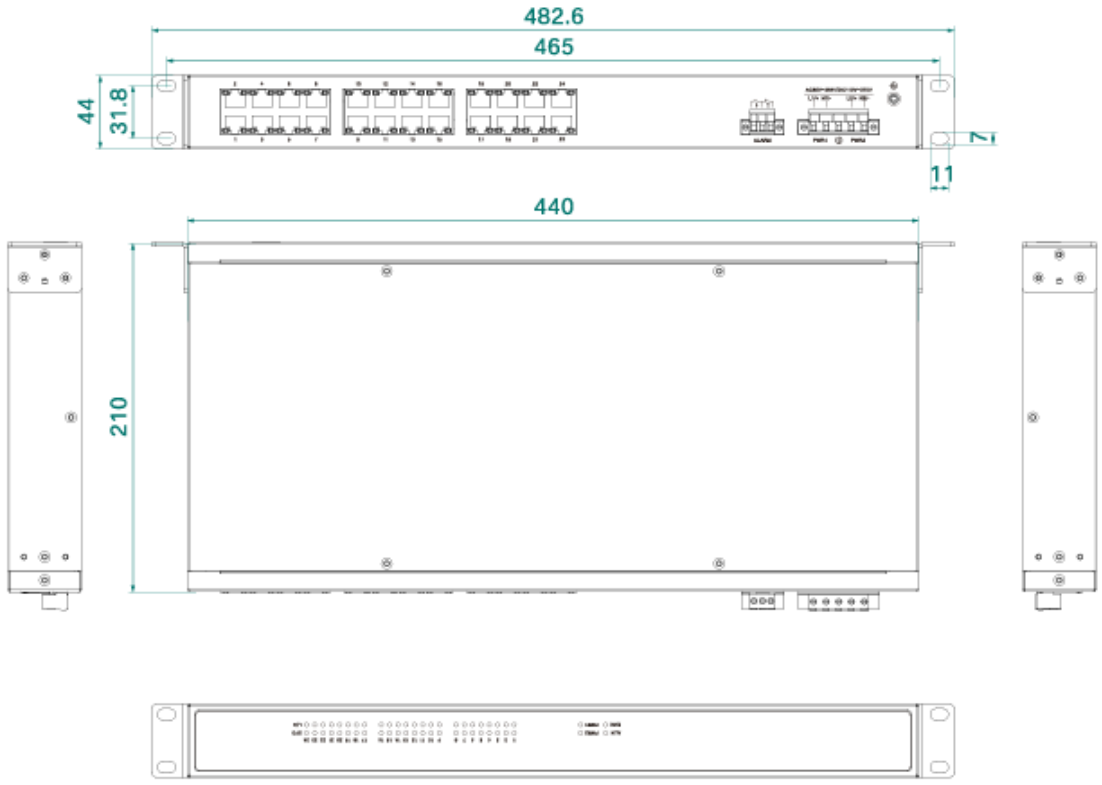
Technical Specifications

Switching Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	8.8Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	
Copper Port	24×10/100Base-T(X) auto-sensing RJ45 copper ports, supporting full/half duplex and auto MDI/MDI-X
Relay	1×relay alarm output, 5.08mm pitch 3-pin terminal block
Status LEDs	Power status LED, operation status LED, alarm status LED, interface speed and connection/activity status LED
Power Supply	
Input Voltage	DC Model: DC18V~72V, reverse polarity protection, single/dual power input options available AC Model: AC85V~264V/DC110V~370V, single/dual power input options available
Power Consumption	＜7W@DC24V, ＜7W@DC48V, ＜8W@AC220V
Connection	7.62mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	482.6×44×210 mm (mounting brackets included)
Installations	19inch 1U Rack mount
IP Code	IP40
Weight	2.7kg
Working Environment	

Operating Temp	-40°C to +75°C
Storage Temp	-40°C to +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 4
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	10/100M Copper Port	Input Voltage
CIEN2024-DC24	24	Single/dual DC18V~72V power input
CIEN2024-DC48	24	
CIEN2024-AD220	24	Single/dual AC85V~264V/DC110V~370V power input

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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