CIEN2016

16-Port Layer 2 Unmanaged Rack Mount Industrial Ethernet Switch



- 16x10/100Base-T(X) RJ45 ports
- 10/100Base-T(X) ports support 10/100M, full/half duplex, and MDI/MDI-X auto-sensing
- Relay output and status LED warning for power failure
- Multiple power input options: DC24, DC48, or AD220, with dual power inputs with power redundancy
- High-strength metal casing with IP40-rated housing protection, fanless design
- -40°C to +75°C operating temperature range

Product Description

The CIEN2016 is a 16-port Layer 2 unmanaged industrial Ethernet switch designed for plug-and-play deployment in rugged environments. With 16× 10/100Base-T(X) ports supporting auto-negotiation and auto MDI/MDI-X, it delivers reliable, high-speed communication for industrial automation systems. Built with industrial-grade components, its fanless metal housing ensures durability and efficient heat dissipation across an operating temperature range of -40°C to +75°C. The switch's 1U rack-mount design withstands vibrations, dust, and electromagnetic interference, providing stable performance in harsh conditions without configuration hassles.

Engineered for mission-critical networks, the CIEN2016 meets the demands of industrial automation, smart grids, transportation, and smart factories. Its robust construction and wide temperature tolerance enable seamless operation in extreme environments, from outdoor energy installations to factory floors. By simplifying connectivity with zero-configuration setup, it reduces downtime while ensuring fast, secure data transmission—making it an ideal solution for projects prioritizing cost-efficiency, durability, and seamless integration.

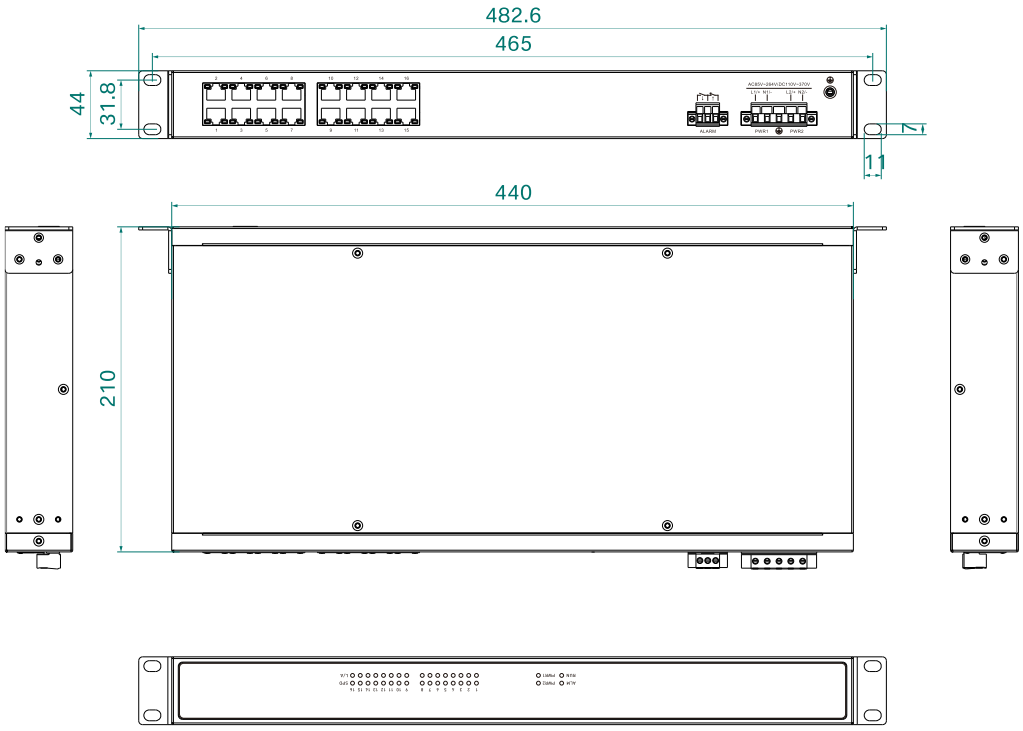
Technical Specifications

Switching Capacity	
Processing Type	Store-and-Forward
Backplane Bandwidth	8.8Gbps
Buffer Size	768kbit
Mac Address	8K
Interface	
100M Copper Port	16 x 10/100 Base-T(X) auto sensing RJ45 copper ports with full/half duplex and auto-MDI/MDI-X.
Relay	1*relay alarm output, 5.08mm pitch 3-pin terminal block
Status LED	Power status LED, operation status LED, alarm status LED, copper port speed and connection/activity status LED
Power Supply	
Input Voltage	DC Model: DC18-72V, reverse polarity protection, single/dual power supply options available AC Model: AC85-264V / DC110-370V, single/dual power supply options available
Power Consumption	＜7W@DC24V, ＜7W@DC48V, ＜8W@AC220V
Connection	7.62mm pitch 5 pin terminal block
Physical Characteristics	
Dimensions	482.6 × 44 × 210mm (mounting brackets included)
Installations	19inch 1U Rack mount
IP Code	IP40
Weight	2.7kg

Working Environment	
Operating Temperature	-40℃~+75℃
Storage Temperature	-40℃~+85℃
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
CIEN2016-DC24	16	Single/dual DC18V~72V power input
CIEN2016-DC48	16	
CIEN2016-AD220	16	Single/dual AC85V~264V or DC110V~370V power input

Contact Us

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