CIEN2018-2F

18-Port Layer 2 Unmanaged Rack Mount Industrial Ethernet Switch



- 16 x 10/100Base-T(X) ports, 2 x 100Baes-F(X) ports
- Fiber ports support SC/FC/ST connectors, single-mode/multi-mode, multiple wavelength, and transmission distance
- Copper ports support full/half-duplex, and MDI/MDI-X autosensing
- Relay output and status LED warning for power failure
- DC24, DC48, or AD220, with dual power inputs for redundancy
- High-strength metal casing with IP40-rate housing protection
- -40°C to +75°C operating temperature range

Product Description

The CIEN2018-2F is an 18-port 100M Layer 2 unmanaged industrial Ethernet switch designed for rack-mount installation and plug-and-play operation. It provides 16 × 10/100Base-T(X) RJ45 ports and 2 × 100Base-FX fiber ports, delivering flexible connectivity for industrial networking. Each copper port supports 10/100M auto-sensing, full/half-duplex modes, and automatic MDI/MDI-X switching, ensuring seamless integration and reliable performance. With stable, efficient, and high-speed data transmission, the CIEN2018-2F provides a strong foundation for industrial automation while meeting the growing demand for innovation and value-added solutions.

Built with industrial-grade components and engineered for durability, the switch features a robust metal housing with fanless heat dissipation, supports standard rack-mount installation, and operates reliably across a wide temperature range from -40°C to +75°C. Its high-standard industrial protection ensures consistent performance even in harsh environments. Rigorously tested for functionality, extreme temperatures, safety, and electromagnetic immunity, the CIEN2018-2F guarantees dependable operation in diverse and challenging conditions. It is widely deployed in industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other mission-critical applications.

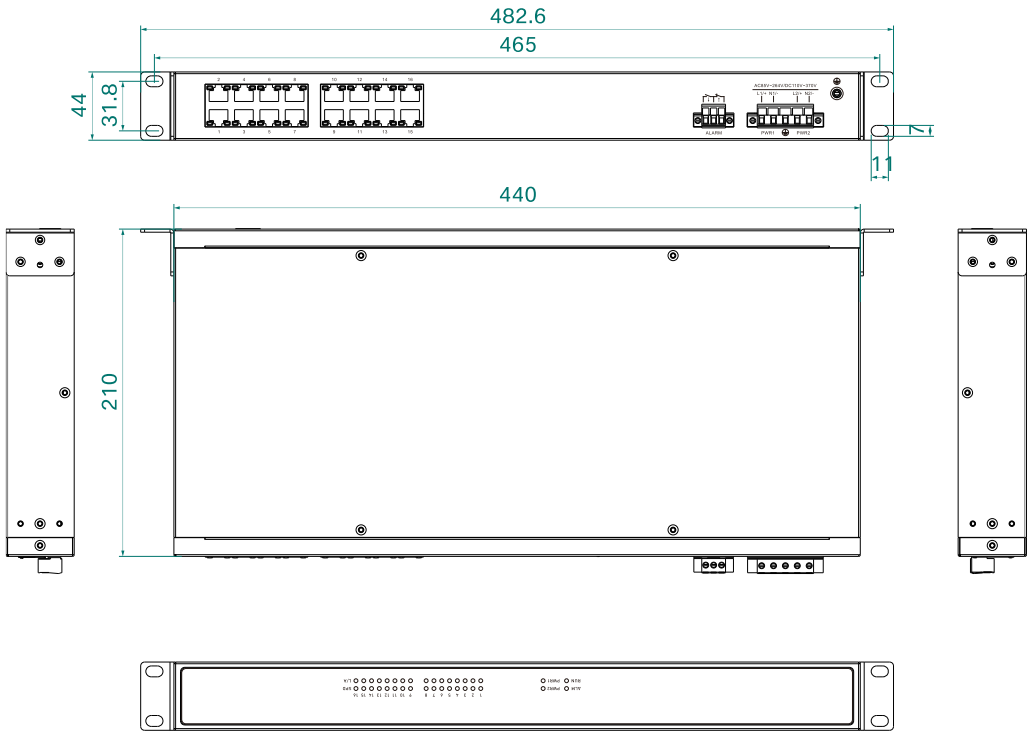
Technical Specifications

Switching Capacity	
Processing Type	Store-and-Forward
Backplane bandwidth	8.8Gps
Buffer size	768kbit
Mac address	8K
Interface	
100M Copper Port	16x10/100 Base-T(X) auto-sensing RJ45 ports, full/half duplex, auto MDI/MDI-X
100M Fiber Port	2x100Base-Fx fiber ports, SC/FC/ST connector, single-mode/multi-mode, multiple wavelength, and transmission distance options
Relay	1 x relay alarm outputs, 5.08mm 3-pin terminal block.
LED Statues	Power status LED, operation status LED, alarm status LED, copper port speed and connection/activity status LED
Power Supply	
Input voltage	DC Model: DC18V-72V, reverse polarity protection, single/dual power supply options available AC Model: AC85V-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	482.6×44×210 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	100M Fiber Port	10/100M Copper Port	Input Voltage
CIEN2018-2F(M/S)-DC24	2	16	Singe/dual DC18V ~72V power input
CIEN2018-2F(M/S)-DC48	2	16	
CIEN2018-2F-AD220	2	16	Single/dual AC85~264V or DC110~370V power input

Contact Us

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