

## CIEN2218-2F

### 18-port 100M DIN Rail Layer 2 Industrial Ethernet Switch



- Support 16x100M copper ports, 2x100M fiber ports, providing users with flexible networking methods
- Fiber port supports SC/FC/ST connectors, single mode/multimode, wavelength, transmission distance optional
- Copper port supports 10/100M, full/half duplex, auto MDI /MDI-X connections
- Support relay alarm when the system is powered off
- Support single AC85~264V/DC110~370V power supply, or dual DC9~60V redundant power input
- High strength metal shell, IP40 protection, fanless heat dissipation
- -40 °C~+85 °C operating temperature

## Product Description

CIEN2218-2F is 18-port 100M unmanaged industrial Ethernet switch for industrial communication network applications. It is mainly used for simple plug-and-play applications. This series of products provides 16\*100M copper ports and 2\*100M fiber ports, supports DC power input or AC power input optional, each 100M copper port has 10/100M adaptive function, supports full-duplex or half-duplex mode, and can support MDI/MDI-X connection, providing a strong guarantee for industrial automation and making industrial communications smoother and more reliable and faster.

The product features selected industrial-grade components, high-strength metal casing, sturdy and durable, fanless casing for heat dissipation, -40°C~+85°C wide temperature operation (AC model -40°C~+75°C), 35mm standard din-rail installation, high-standard industrial protection design, able to adapt to various harsh working environments, with stable communication performance. The products can be widely used in industrial automation, integrated energy, smart cities, smart transportation, smart factories and other industrial fields

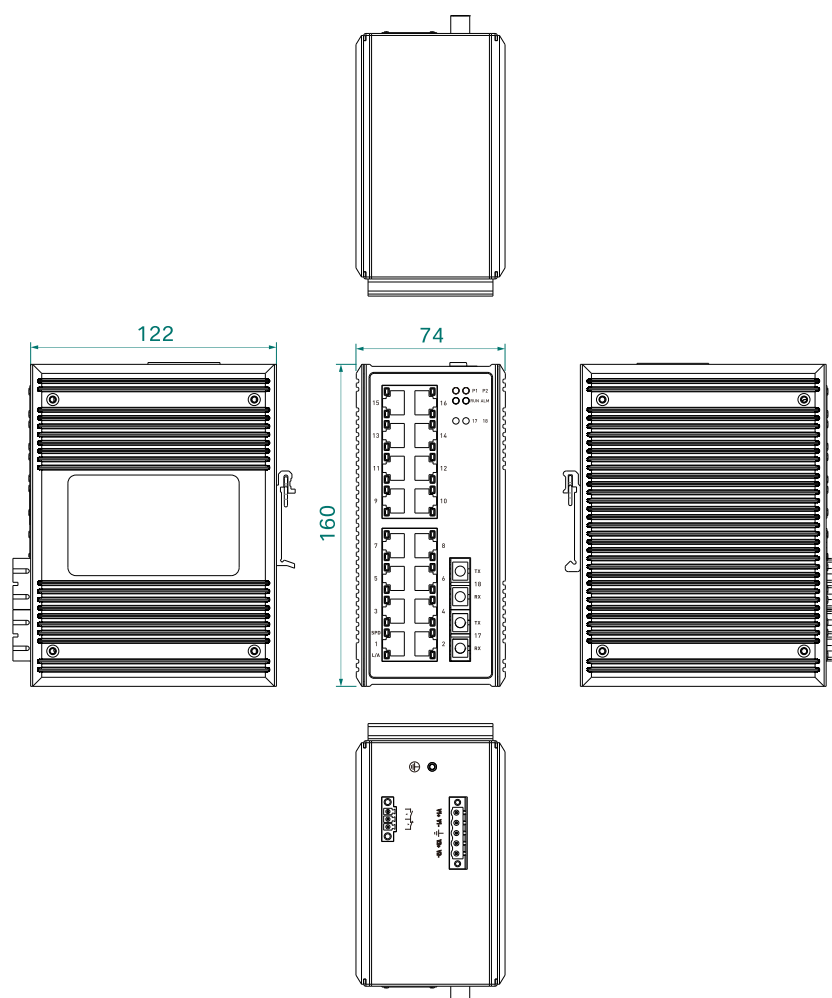
## Technical Specifications

| Switching                |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Backplane Bandwidth      | 12.8Gps                                                                                                                      |
| Buffer Size              | 4.1 Mbit                                                                                                                     |
| MAC Table Size           | 8K                                                                                                                           |
| Interface                |                                                                                                                              |
| 100M Copper Port         | 16*10/100M Base-T(X) Auto-sensing RJ45 copper port supports full/half duplex, Auto-MDI /MDI-X connections                    |
| 100M Fiber Port          | 2*100M Base-FX port, support SC/FC/ST connections, single mode/multimode transmission distance optional                      |
| Relay                    | 1 relay alarm output, 3-pin 3.18mm terminal block                                                                            |
| Status LED               | Power indicator, operation indicator, alarm indicator, interface indicator                                                   |
| Power supply             |                                                                                                                              |
| Input Voltage            | DC model: DC9~60V, dual power input, reverse connection protection<br>AC model: AC85~264V (frequency: 47~63Hz) or DC110~370V |
| Power Consumption        | <7W@DC24V                                                                                                                    |
| Connection               | 5-pin 5.08mm terminal block                                                                                                  |
| Physical Characteristics |                                                                                                                              |
| Dimensions               | 160×74×122mm (DIN rail mounting clip excluded)                                                                               |
| Installation             | 35mm standard Din-rail installation                                                                                          |
| IP Code                  | IP40                                                                                                                         |
| Weight                   | About 1.2kg                                                                                                                  |
| Working Environment      |                                                                                                                              |
| Operating Temp.          | DC model: -40℃~+85℃<br>AC model: -40℃ to +75℃                                                                                |
| Storage Temp.            | -40℃~+85℃                                                                                                                    |

|                   |                                                                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relative Humidity | 5%~95% (No condensing)                                                                                                                                |
| Industry Standard |                                                                                                                                                       |
| EMC Protecting    | IEC 61000-4-2 (ESD): Level 4<br>IEC 61000-4-5 (Surge): Level 4<br>※The network port supports 6kV lightning protection<br>IEC 61000-4-4 (EFT): Level 4 |
| Certification     | CE, RoHS, FCC                                                                                                                                         |

## Dimensions

Unit: mm



## Ordering Information

| Standard Model         | 100M<br>Copper Port | 100M<br>Fiber port | Input Voltage                     |
|------------------------|---------------------|--------------------|-----------------------------------|
| CIEN2218-2F(M/S)       | 16                  | 2                  | Dual DC9~60V power input          |
| CIEN2218-2F(M/S)-AD220 | 16                  | 2                  | Single AC85~264V or<br>DC110~370V |

## Contact Us

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