

## CIES216

### 16-Port Layer 2 100M DIN Rail Unmanaged Industrial Ethernet Switch



- 16 x 10/100Base-T(X) RJ45 ports
- Support half-duplex back-pressure or full-duplex IEEE802.3x flow control
- DC9V~60V or AC24V redundant power inputs
- High strength aluminum alloy shell, IP40 protection
- -40°C~+75 °C working temperature range

## Product Description

The CIES216 is a 16-port Layer 2 unmanaged industrial Ethernet switch designed for robust and efficient network connectivity in demanding environments. It supports 16\* 10/100Base-T(X) ports with simple plug-and-play functionality. Each copper port features 10/100M auto-sensing, full- or half-duplex operation, and automatic MDI/MDI-X switching, ensuring seamless and reliable communication. Engineered for stable performance, it provides a strong foundation for industrial automation systems and meets modern requirements for speed, reliability, and value.

Built with industrial-grade components and stringent quality control, the CIES216 offers a high-strength aluminum alloy housing with fanless heat dissipation and a standard 35mm DIN-rail mounting design. It operates within a wide temperature range of -40°C to +75°C and incorporates a high-level industrial protection design for exceptional durability in harsh operating conditions. Ideal for diverse applications, it is widely used in industrial automation, integrated energy systems, smart cities, intelligent transportation, and smart factories.

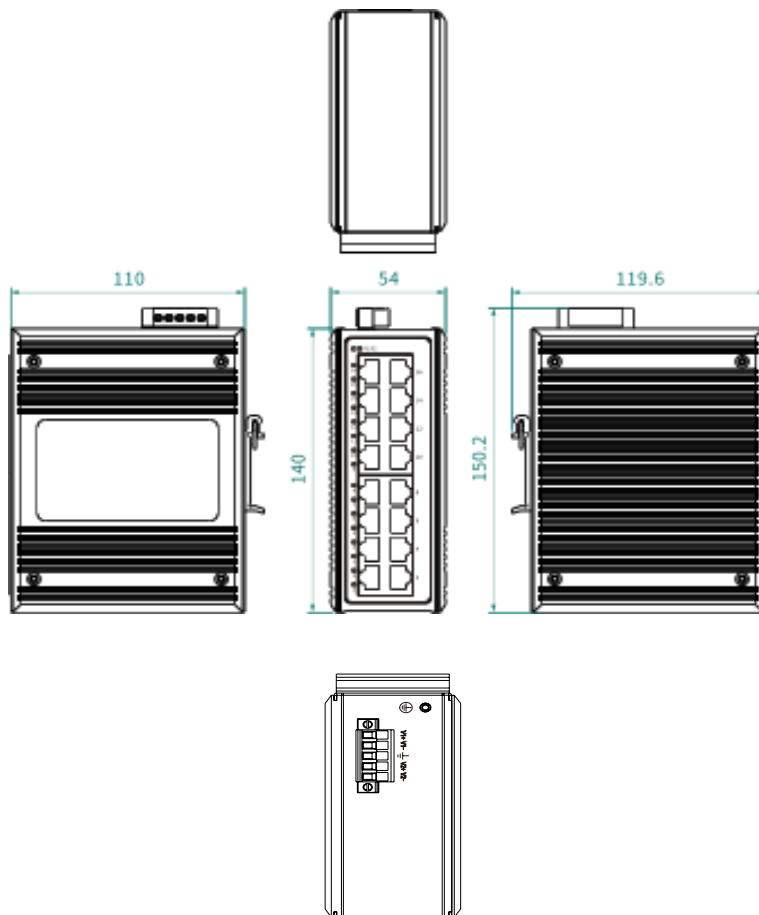
## Technical Specifications

Protocol Standard	
IEEE Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Switch capability	
Backplane Bandwidth	3.2Gbps
Buffer Size	768kbit
Mac Address Table	8K
Interface	
Copper Port	16 x 10/100Base-T(X) auto-sensing RJ45 port, with full/half duplex, auto MDI/MDI-X
Status LED	Power status LED, interface status LED
Power Supply	
Power Input	DC9V~60V or AC24V redundant inputs, no polarity
Power Consumption	<2W@DC24V
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	140 × 54 × 110 mm (DIN rail mounting clip and connector excluded)
Installations	35mm standard DIN-rail mounting
IP Code	IP40; Aluminum alloy shell
Weight	About 0.61kg
Working Environment	
Operating Temp	-40°C ~+75°C
Storage Temp	-40°C ~+85°C
Relative Humidity	5%~95% (non-condensing)

Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 (Contact discharge $\pm 8\text{kV}$ , air discharge $\pm 15\text{kV}$ ) IEC 61000-4-5 (Surge): Level 4 (Power supply: common mode $\pm 4\text{kV}$ , differential mode $\pm 2\text{kV}$ ; Ethernet port: common mode $\pm 6\text{kV}$ , differential mode $\pm 2\text{kV}$ ) IEC 61000-4-4 (EFT): Level 4 (Power supply: $\pm 4\text{kV}$ , Ethernet port: $\pm 2\text{kV}$ )
Certification	CE, FCC, RoHS

## Dimensions

Unit: mm



## Ordering Information

Standard Model	100M Copper Port	Input Voltage
CIES216	16	DC9V~60V or AC24V redundant power inputs



## Contact Us

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