

CIES316G

16-port Gigabit DIN Rail Unmanaged Industrial Ethernet Switch



- 16 × 10/100/1000Base-T(X) ports (RJ45 connector)
- Ethernet ports support 10/100/1000M, full/half duplex, auto MDI/MDI-X connection, plug-and-play
- Support Jumbo frame transmission, with a maximum frame length of 10kByte
- Support dual DC9V~60V or AC24V power input, support dual power redundancy, non-polarity input
- High-strength aluminum alloy shell, IP40 protection
- -40°C to +75°C working temperature

Product Description

CIES316G is a 16-port full Gigabit unmanaged industrial Ethernet switch developed for industrial communication network applications. This product provides 16xGigabit Ethernet ports. Each Gigabit copper port features 10/100/1000M auto-sensing, supports full-duplex or half-duplex mode, and can automatically handle MDI/MDI-X connections. This provides strong support for industrial automation, making industrial communication smoother, more reliable, and faster.

The products are built with industrial-grade components, featured with a high-strength aluminum alloy shell for durability, and utilize fanless heat dissipation. They can operate in a wide temperature range from -40°C to +75°C, making them suitable for various challenging work environments while maintaining stable communication performance. These products can be widely used in industrial automation, comprehensive energy, smart cities, intelligent transportation, smart factories, and other industrial fields.

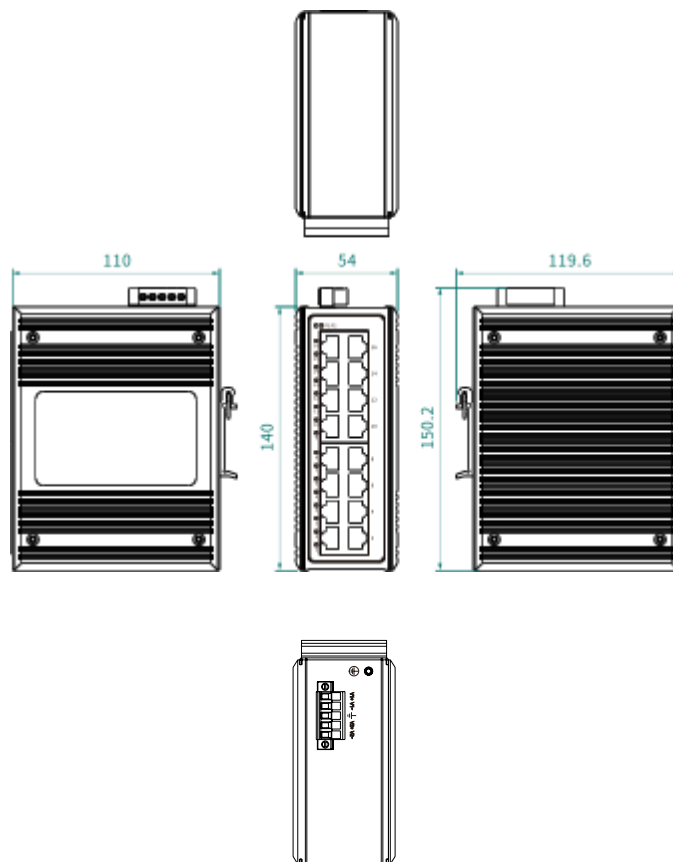
Technical Specifications

Protocol Standards	
IEEE Standards	IEEE 802.3, IEEE 802.3U, IEEE 802.3AB
Switching	
Backplane Bandwidth	52Gbps
Buffer Size	4.1Mbit
Jumbo Frames	10kByte
MAC Table Size	8K
Interface	
1G Copper Port	16 x 10/100/1000Base-T(X) Gigabit RJ45 ports, support full/half duplex, and auto MDI/MDI-X
Status LED	Power indicator, port indicator
Power Supply	
Input Voltage	DC9V~60V or AC24V, support dual power redundancy, non-polarity
Power Consumption	<9.1W@DC12V(full load)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	140 × 54 × 110mm (DIN rail mounting clip excluded)
Installations	Standard 35mm DIN-rail
IP Code	IP40
Weight	0.65kg
Working Environment	
Operating Temp	-40°C~+75°C
Storage Temp	-40°C~+85°C

Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	<p>IEC 61000-4-2 (ESD): Level 4 (Contact discharge$\pm 8\text{kV}$, air discharge$\pm 15\text{kV}$)</p> <p>IEC 61000-4-5 (Surge): Level 4 (Power supply: common mode$\pm 4\text{kV}$, differential mode $\pm 2\text{kV}$; network port: common mode$\pm 6\text{kV}$, differential mode$\pm 2\text{kV}$)</p> <p>IEC 61000-4-4 (EFT): Level 4 (Power supply: $\pm 4\text{kV}$, network port: $\pm 2\text{kV}$)</p>
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	1G Copper Port	Input Voltage
CIES316G	16	Dual DC9V~60V or AC24V



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: info@come-star.com

Official site: www.come-star.com

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