

CIES305PN

5-Port Layer 2 Gigabit PROFINET Industrial Ethernet Switch



- 5 x 1G RJ45 Ports
- Support PROFINET protocol priority transmission
- Support 10/100/1000M, full/half duplex, auto MDI/MDI-X, plug-and-play
- Support jumbo frame transmission, maximum frame length 9kByte
- Dual DC9~60V or AC24V power inputs for power redundancy, non-polarity
- High-strength aluminum alloy shell, IP40 protection
- -40°C to +75°C operating temperature range

Product Description

The CIES305PN is a 5-port Layer 2 Gigabit unmanaged DIN-rail PROFINET industrial Ethernet switch specifically designed for industrial communication networks. It supports PROFINET protocol priority transmission and provides 5 x Gigabit copper ports, primarily for plug-and-play simplicity. Each Gigabit copper port features 10/100/1000M auto-negotiation, supports full-duplex or half-duplex modes, and automatically detects MDI/MDI-X connections. This provides robust support for industrial automation, ensuring smoother, more reliable, and faster industrial communication to meet customers' evolving needs for value-added innovation. The product utilizes industrial-grade components, features 35mm DIN rail mounting, and incorporates a high-strength aluminum alloy housing for rugged durability. Operating within a temperature range of -40°C to +75°C, its high-standard industrial protection design ensures stable communication performance across harsh environments. This switch is widely applicable in industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other industrial sectors.

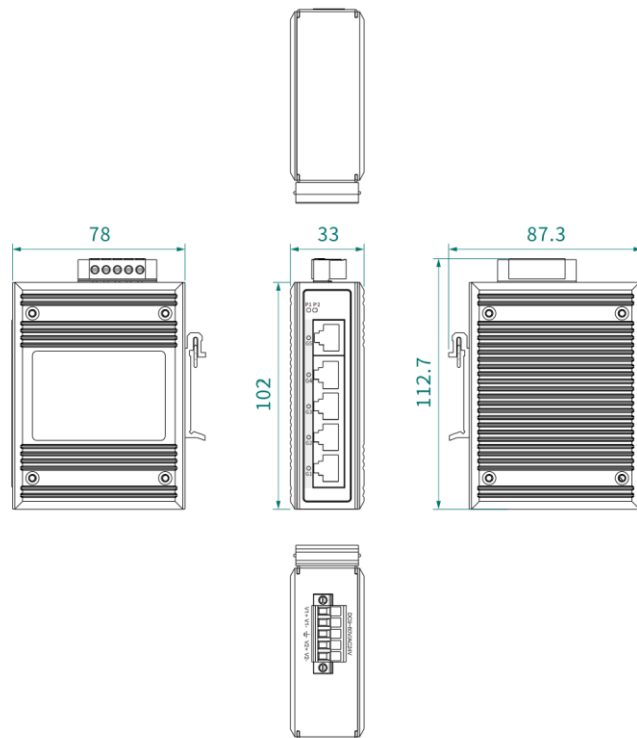
Technical Specifications

Protocol Standards	
IEEE Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Switching	
Processing Type	Store and forward
Backplane Bandwidth	14Gbps
Buffer Size	2Mbit
Jumbo Frames	9kByte
MAC Table Size	2K
Interface	
1G Copper Port	5 x 10/100/1000Base-T(X) auto-sensing RJ45 ports, support full/half duplex, and auto MDI/MDI-X
Status LED	Power indicator, port status indicator
Power Supply	
Input Voltage	DC 9~60V or AC 24V, support dual power redundancy, non-polarity
Power Consumption	<2.1W@DC12V (full load)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	102×33×78mm (excluding DIN rail mounting clip and connectors)
Installations	Standard 35mm DIN-rail
IP Code	IP40, high-strength aluminum alloy housing
Weight	About 0.3kg
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 (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 $\pm 2\text{kV}$; Network port: Common mode $\pm 6\text{kV}$, Differential mode $\pm 2\text{kV}$) IEC 61000-4-4 (EFT): Level 4 (Power supply: $\pm 4\text{kV}$; Network port: $\pm 2\text{kV}$)

Dimensions

Unit: mm



Ordering Information

Standard Model	1G Copper Port	Input Voltage
CIES305PN	5	Dual DC9~60V/AC24V



Contact Us

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