

## CIES205PN

### 5-Port Layer 2 100M DIN Rail PROFINET Industrial Ethernet Switch



- 5 x 100M RJ45 Ports
- Support PROFINET protocol priority transmission
- Support 10/100M, full/half duplex, auto MDI/MDI-X connection, plug and play
- Support Jumbo frame transmission with a maximum frame size of 2kbyte
- Support half-duplex backpressure or full-duplex IEEE802.3x flow control
- Support dual DC 9~60V or AC 24V power inputs, non-polarity
- High-strength aluminum alloy shell, IP40-rated protection
- -40°C to +75°C operating temperature range

## Product Description

The CIES205PN is a 5-port Layer 2 100M unmanaged DIN-rail Profinet industrial Ethernet switch specifically designed for industrial communication network applications. CIES205PN supports priority transmission of the PROFINET protocol and provides 5 x 100M RJ45 ports, primarily intended for simple plug-and-play deployment scenarios. Each 100M copper port features 10/100M 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 while meeting 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. Its fanless design ensures efficient heat dissipation, operating within a wide temperature range of -40°C to +75°C. Designed with high-standard industrial protection, it adapts to harsh environments while maintaining stable communication performance. This product is widely applicable in industrial automation, integrated energy systems, smart cities, intelligent transportation, smart factories, and other industrial sectors.

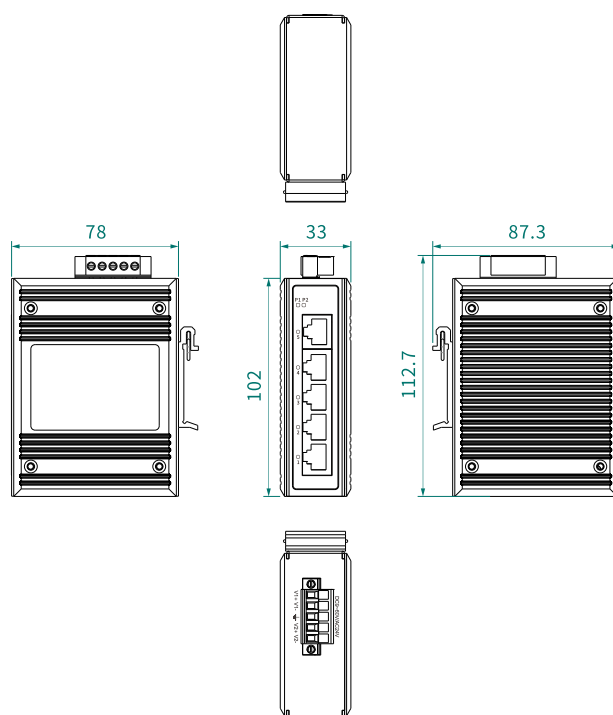
## Technical Specifications

Protocol Standard	
IEEE Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Switch Capability	
Backplane Bandwidth	1Gbps
Buffer Size	768kbit
Jumbo frame	2kbyte
Mac Address Table	2K
Interface	
100M Copper	5 x 10/100Base-T(X) auto-sensing RJ45 port, supporting full/half duplex, auto MDI/MDI-X
Status LED	Power indicator, port status indicator
Power	
Power Input	DC 9~60V or AC 24V, support dual power redundancy, non-polarity
Power Consumption	<1W@DC24V (Full Load)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	102×33×78mm (DIN rail mounting clip and connector excluded)
Installations	35mm standard DIN-rail mounting
Enclosure Protection	High-strength aluminum alloy housing, IP40 protection
Weight	About 0.27kg
Working Environment	
Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+85°C

Relative Humidity	5%~95% (non-condensing)
<b>Industry Standard</b>	
EMC	<p>IEC 61000-4-2 (ESD): Level 3 (contact discharge <math>\pm 6\text{kV}</math>, air discharge <math>\pm 8\text{kV}</math>)</p> <p>IEC 61000-4-5 (Surge): Level 4 (Power supply: Common mode <math>\pm 4\text{kV}</math>, Differential mode <math>\pm 2\text{kV}</math>; Network port: Common mode <math>\pm 6\text{kV}</math>, Differential mode <math>\pm 2\text{kV}</math>)</p> <p>IEC 61000-4-4 (EFT): Level 4 (Power supply: <math>\pm 4\text{kV}</math>; Network port: <math>\pm 2\text{kV}</math>)</p>

## Dimensions

Unit: mm



## Ordering Information

Standard Model	100M Copper Port	Input Voltage
CIES205PN	5	Dual DC 9~60V or AC 24V

## Contact Us

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