

## CIES305PN

### 5-port Layer 2 Full Gigabit PROFINET Industrial Ethernet Switch



- Support 5 Gigabit RJ45 ports
- Support PROFINET protocol priority transmission
- Support 10/100/1000M, full/half duplex, MDI/MDI-X adaptive, plug-and-play, convenient and fast
- Support jumbo frame transmission, maximum frame length 9kByte
- Support dual-channel DC9~60V or AC24V power input, support dual power redundancy, non-polarity
- High-strength aluminum alloy shell, IP40 protection level, the equipment can work reliably in harsh industrial environments of -40℃~+75℃

## Product Description

CIES305PN is a 5-port 2-layer full Gigabit unmanaged rail-mounted PROFINET industrial Ethernet switch. It supports PROFINET protocol priority transmission and provides 5 Gigabit electrical ports, which are mainly used for simple plug-and-play applications. Each Gigabit electrical port has 10/100/1000M adaptive function, supports full-duplex or half-duplex mode, and can automatically perform MDI/MDI-X connection, providing strong guarantee for industrial automation, making industrial communication smoother, more reliable and faster, and meeting customers' needs for continuous innovation to increase added value applications. The product is made of selected industrial-grade components, 35mm standard rail-mounted installation, high-strength aluminum alloy shell, sturdy and durable, -40℃~+75℃ operating temperature, high-standard industrial protection design, can adapt to various harsh working environments, and has stable communication performance. The product can be widely used in industrial automation, integrated energy, smart cities, intelligent transportation, smart factories and other industrial fields.

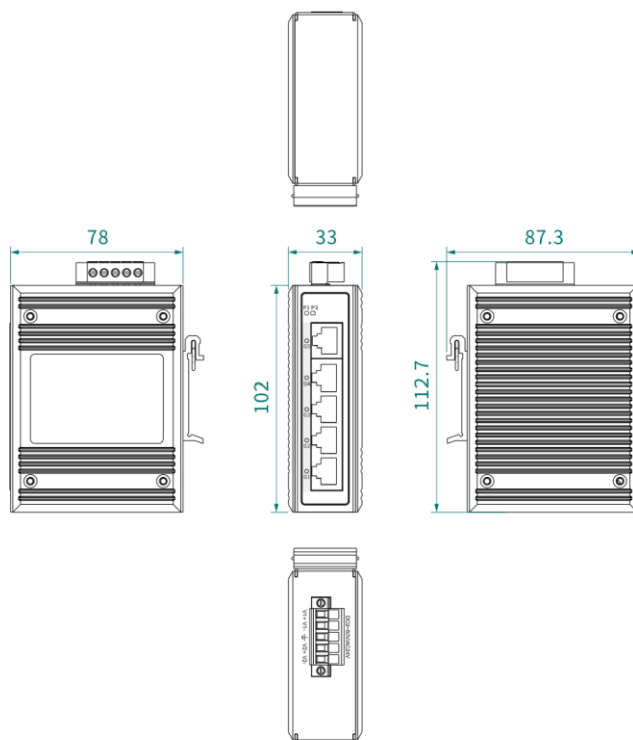
## Technical Specifications

Switch Capability	
Backplane Bandwidth	16Gbps
Buffer Size	2Mbit
Jumbo frame	9kByte
MAC Table Size	2K
Interface	
1000M Copper Port	5x10/100/1000Base-T(X) adaptive Gigabit RJ45 electrical ports, supporting full/half duplex, MDI/MDI-X connection
Status LED	Power indicator light, Ethernet interface indicator light
Power Supply	
Input Voltage	DC9~60V or AC24V, support dual power input, non-polarity
Power Consumption	<2.1W@DC24V
Connection	5-position 5.08mm pitch locking terminal block
Physical Characteristics	
Dimensions	102×33×78(mm)
Installations	35mm standard DIN rail installation
IP Code	High-strength aluminum alloy housing, IP40 protection
Weight	0.3kg
Working Environment	
Operating Temp	-40℃~+75℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	

EMC	<p>IEC 61000-4-2 (ESD): Level 4 (contact discharge <math>\pm 8\text{kV}</math>, air discharge <math>\pm 15\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>
Certification	CE, FCC, RoHS

## Dimensions

Unit: mm



## Ordering Information

Standard Model	10/100/1000M Copper Port	Input Voltage
CIES305PN	5	DC9~60V/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](mailto:info@come-star.com)

Official site: [www.come-star.com](http://www.come-star.com)

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