

## IES205G

### 5-port 10/100/1000Base-T(X)

#### Unmanaged Full Gigabit Industrial Ethernet Switch

### Features

- Support 5-port 10/100/1000Base-T(X) (RJ45)
- Support MAC address automatic learning, automatic aging
- Support 1-channel 12~48VDC power input with 3-pin terminal block, reverse protection
- Working temperature -40~75°C, storage temperature -40~85°C
- DIN-Rail mounting
- Fanless design
- IP40 grade protection, corrugated high-strength metal case

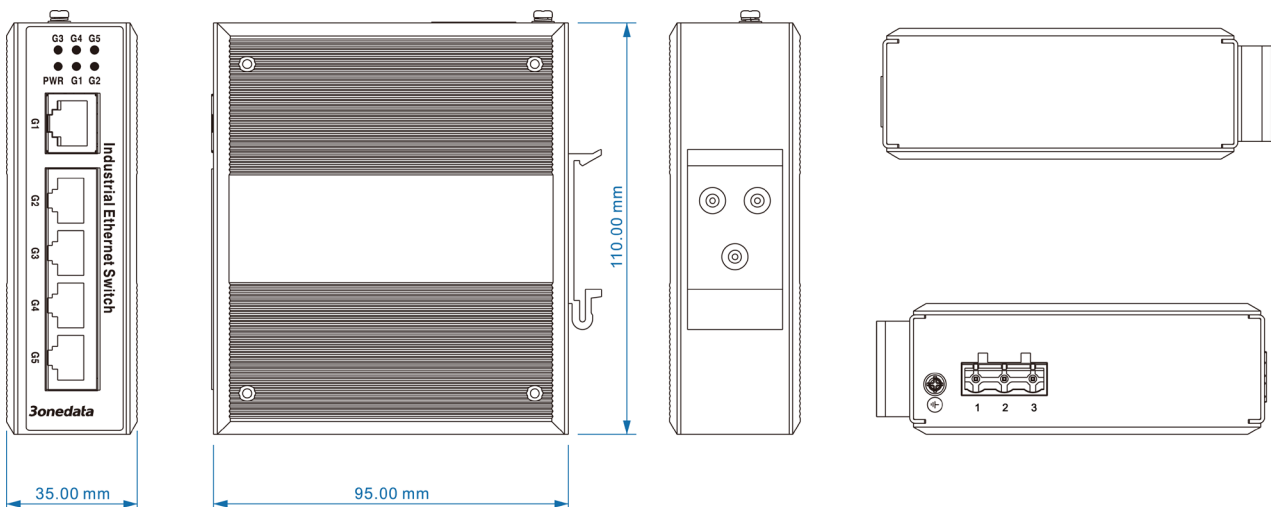


### Introduction

IES205G switch is a high-performance, cost-effective unmanaged industrial Ethernet switch. The switch supports 5-channel 10/100/1000Base-T(X) Ethernet ports. The product features a fanless and industrial design with

low consumption. It offers high reliability and meets various industrial environment requirements, for example, working temperature ranges from -40°C to 75°C. This device provides cost-efficient solutions.

### Dimension (Unit: mm)



### Specification

#### Technology

Standard: Supports IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab

Flow control: IEEE802.3x flow control, back press flow control

#### Exchange Attribute

100M forward speed: 148810pps  
 1000M forward speed: 1488100pps  
 1000M maximum filter speed: 148810pps

1000M maximum filter speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 14G

MAC address table: 8K

Memory: 1Mbit

#### Interface

Electric port: 10/100/1000Base-T(X) auto negotiation speed, Full/Half duplex mode, auto MDI/MDI-X connection, and RJ45 connector.

**Transfer Distance**

Twisted cable: 100M (standard CAT5/CAT5e cable)

**LED Indicator**

Interface indicators: Link/ACT (1~5)

Power Indicator: PWR

**Power Supply**

Input voltage: 12~48VDC

Type of input: 3-pin 7.62mm pitch terminal block

Support built-in overcurrent protection

Support power input without polarity

Support reverse protection

**Consumption**

Unload consumption: 0.864W@24VDC

Full load consumption: 4.632W@24VDC

**Working Environment**

Working temperature: -40~75°C

Storage temperature: -40~85°C

Relative Humidity: 5%~95% (non-condensing)

**Mechanical Structure**

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail mounting

Weight: 387g

Size (L×W×H): 110mm×95mm×35mm

**Industry Standard**

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: IEC 61000-4-2 (ESD), Level 3

IEC 61000-4-4 (EFT), Level 3

IEC 61000-4-5 (Surge), Level 3

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

**Warranty**

5 years

**Certification**

CE, FCC, RoHS, UL508 (Pending)

Please check 3onedata's website for the most up-to-date certification status.