

# IES205G

5-port 10/100/1000M Ethernet

Unmanaged Industrial Ethernet Switch

## Features

1. Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3ab
2. Support 5 ports 10Base-T/100Base-TX/1000 Base-TX
3. Support 10/100/1000M self-adaption
4. Support Store and forward
5. Support MAC address learning, aging automatic
6. 12~48VDC power input, power supply support non-polarity
7. -40~75°C working temperature
8. IP40 protect grade, high strength iron shell, DIN Rail installation.



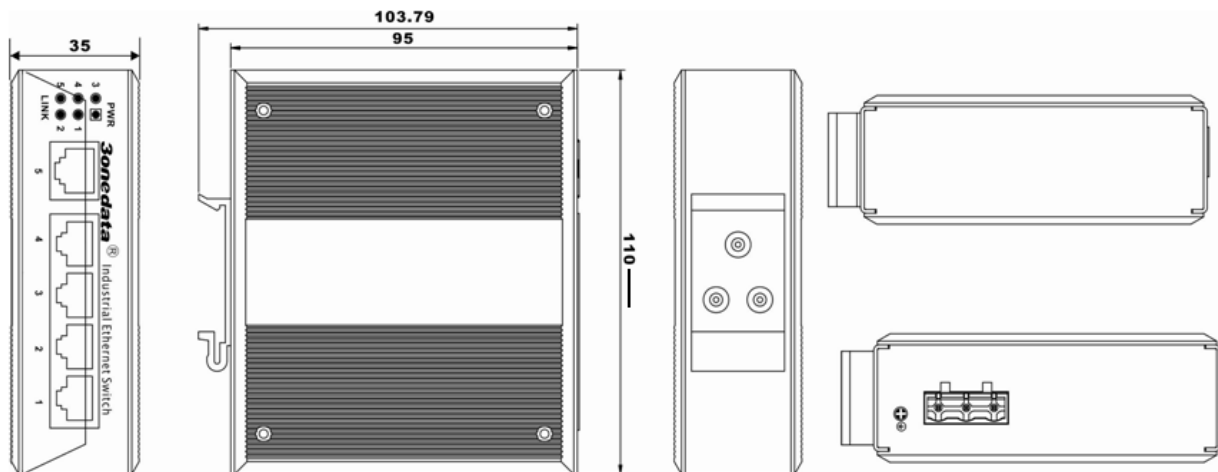
## Introduction

IES205G is a kind of gigabit unmanaged Industrial Ethernet switch, it support 5 port 10/100/1000M RJ45 port, DC power supply (12-48V). It adopted no fan, low power consumption design, IP40, corrugate high strength iron shell, the performance is more steadily. IES205G

accorded with CE, FCC standard and Industrial 4 grades, DIN rail installation and wide operating temperature (-40~75 °C), it can satisfied some kinds of industrial environment, it can provide reliable and quickly solution for your Ethernet device.

## Dimension

Unit (mm)



## Specification

### Technology

Standard: Support 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

Transmit mode: store and forward

System exchange bandwidth: 12Gbps

MAC address table: 2K

Memory: 1Mbit

### Interface

Gigabit Ethernet port: 10Base-T/100Base-TX/1000Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect



**Transfer distance**

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

**LED indicator**

Interface indicator: Link/ACT (G1~G5)

Power supply indicator: PWR

**Power supply**

Input Voltage: 24VDC (12~48VDC)

Type of input: 3 bits 7.62mm terminal block

Support non-polarity

Support overload current protect

**Consumption**

No-load power consumption: 0.65W@24VDC

Full-load power consumption: 3.80W@24VDC

**Working environment**

Working temperature: -40~75°C

Storage temperature: -40~85°C

Relative Humidity: 5%~95 % ( no condensation)

**Mechanical Structure**

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail

Weight: 0.41kg

Size (W×H×D): 35mm×110mm×95mm

**Industry Standard**

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

EMS: EN61000-4-2 (ESD), Level 3

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

**Certification**

CE, FCC, RoHS, UL508 (Pending)

**Warranty:** 5 years

**Packing List**

1. Industrial Ethernet switch IES205G (plus terminal block) ×1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1