IES205-2F

5-port 10/100M Entry-level Industrial Ethernet Switch

Features

1. IEEE802.3/ 802.3u/ 802.3x

2. Support auto negotiation speed, F/H duplex mode, and auto send data control

3. Plug-and-play, auto MDI/MDI-X connection

4. Store and Forward 100M

5. Switching process type

6. Broadcast storm protection

7. Network work state LED indicator

8. 12～36VDC   power input   Operating temperature ranges from -40 to 75°C

9. Industry standard design, dustproof and close design

   IP30, rugged high-strength metal case

Introduction

The IES205-2F series of industrial Ethernet switches are entry-level industrial 5-port Ethernet switches that provide an economical solution for your industrial Ethernet connection, support IEEE802.3/802.3u/802.3x. Dustproof and full close structure and the IP30 case with LED indicators make the plug-and-play IES205-2F switches easy to use and reliable. These switches have been designed for harsh industrial environments

IES205-2F supports 3 TP ports and 2 fiber ports. TP(RJ45) support 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection;100BaseFX supports single-/multi-mode, SC/ST/FC connector for optional.

Specification

Interface

 RJ45 Ports: 10/100BaseT(X) auto connection, Full /Half duplex or
 force work mode, and support MDI/MDI-X connection

Fiber Ports: 100BaseFX ports (SC/ST/FC connector, optional)

 Single-mode:20, 40,60, 80, 120Km,optional

 Multi-mode: 2,5Km,optional

Wavelength: 850nm, 1310 nm, 1550nm

Technology

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

Forwarding and Filtrate Rate: 148810pps

Transmit type: Store and Forward switching process type

Support 1K MAC Address

Power

Input Voltage: 12VDC~36VDC,

Overload Current Protection

Connection: 3 bit terminal block

Mechanical

Dimensions (L×W×H): 103mm×78mm×32mm

Packaging: IP 30 Protection, Metal case

Environmental

Operating Temperature: -40 to 75°C

Storage Temperature: -45 to 85 °C

Ambient Relative Humidity: 10% to 95% (non-condensing)

Approvals

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

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

 EN61000-4-3(RS), Level 3

 EN61000-4-4(EFT), Level 4

 EN61000-4-5 (Surge), Level 4

 EN61000-4-6 (CS), Level 3

 EN61000-4-8, Level 5

Shock: IEC 60068-2-27
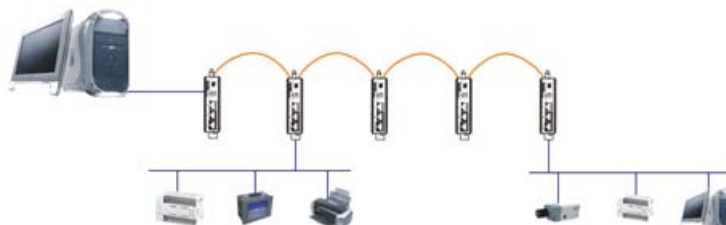
Free Fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

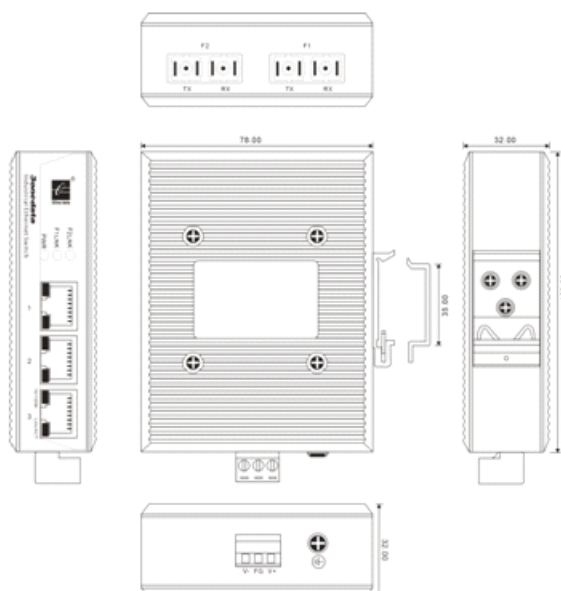**Warranty: 5 years**

Approvals: FCC,CE, RoHS approvals

Chain Connection

In addition to industry-grade performance, the most outstanding feature of IES205-2F as compared with common switches is that it can provide 2 100Base-FX(IES205-2) for chain interconnection of the system to ensure the safe data transmission. It can also break away from the 100m transmission distance of twisted-pair wire to improve the communication distance significantly.

Dimension

Ordering Information

IES205-2F   3-port 10/100Baes-T(X) + 2-port 100Base-FX, Multi-mode, SC, ST FC optional, DC12-36V

IES205-2F   3-port 10/100Baes-T(X) + 2-port 100Base-FX, Single-mode, SC, ST, FC optional, DC12-36V

Packing List

1. Ethernet switch IES205-2F series (plus terminal block)×1

2. User manual ×1

3. DIN-Rail fittings ×1