

IES3020-4GS-4F

12-port 10/100Base-T(x) + 4-port 100Base-FX + 4-port Gigabit SFP

Unmanaged Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z
- Store and Forward switching process type
- Support MAC address auto-learning, auto-aging
- Support flow control
- Support Broadcast storm suppression
- Support 8K MAC address
- Support 12.8Gbps backboard bandwidth
- Support redundancy power supply(12~48VDC), non-polarity
- Operating temperature range from -40 to 75°C
- Designed without fan
- DIN rail mounted
- Metal shell, IP40 protection class



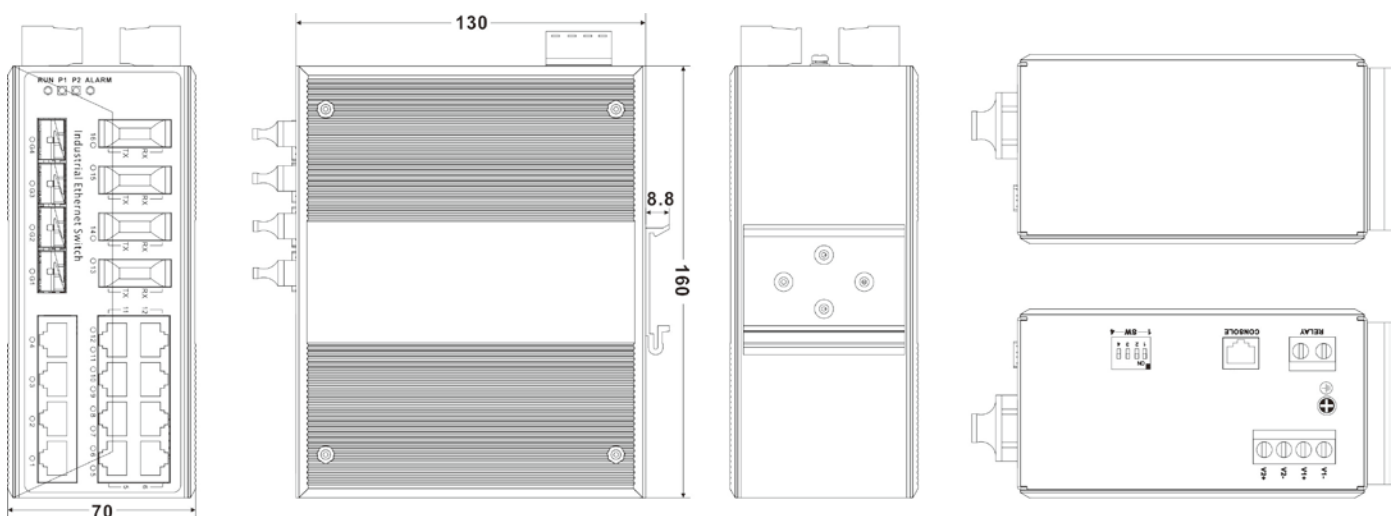
Introduction

IES3020-4GS-4F-P (12/48VDC) is a unmanaged Industrial Ethernet switch with high performance, high cost-effective, it provided 12 port 10Base-T/100Base-TX Ethernet+ 4 port 100Base-FX(FC/SC/ST)+4 port 1000Base-X SFP slot. It supports auto flow control, full/half duplex mode and MDI/MDI-X self-adaption. It built in standard

industry design, all components are based on Industry grade, no fan, low consumption, can satisfied some kinds of requirements of industry field, to achieve high reliability.

Dimension

Unit (mm)





Specification

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z

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: 12.8G

MAC address table: 8K

Memory: 4M

Interface

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

100M optic fiber port: 100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

1000M fiber port: 1000Base-X (SFP port)

Transfer distance:

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

Multi-mode: 1310nm, 2/5Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator:

Run indicator: Run

Interface indicator: Link (1~16/G1~G4)

Power supply indicator: P1, P2

Alarm indicator: Alarm

Power supply

Input Voltage: 24VDC (12~48VDC)

Input method: 4 bits 7.62mm terminal block

Support DC dual power supply redundancy

Overload current protect: 4.0A

Consumption

No-load consumption: 7.2W@24VDC

Full-load consumption: 11.83W@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: 1.1kg

Size (W×H×D): 160mm×130mm×70mm

Industry Standard:

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

Shake: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Information

IES3020-4GS-4F (M): 4 port Gigabit SFP slot + 12 port 10/100Base-T(X) + 4 port 100Base-FX Multi-mode SC/ST/FC, 12-48VDC

IES3020-4GS-4F (S): 4 port Gigabit SFP slot + 12 port 10/100Base-T(X) + 4 port 100Base-FX Single-mode SC/ST/FC, 12-48VDC

IES3020-4GS-4F (SS): 4 port Gigabit SFP slot + 12 port 10/100Base-T(X) + 4 port 100Base-FX single-mode, single fiber SC/ST/FC, 12-48VDC

Packing List

1. Industrial Ethernet switch IES3020-4GS-4F (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1