

# IES3020-4GS

16-port 10/100M Ethernet+4-port Gigabit SFP slot

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



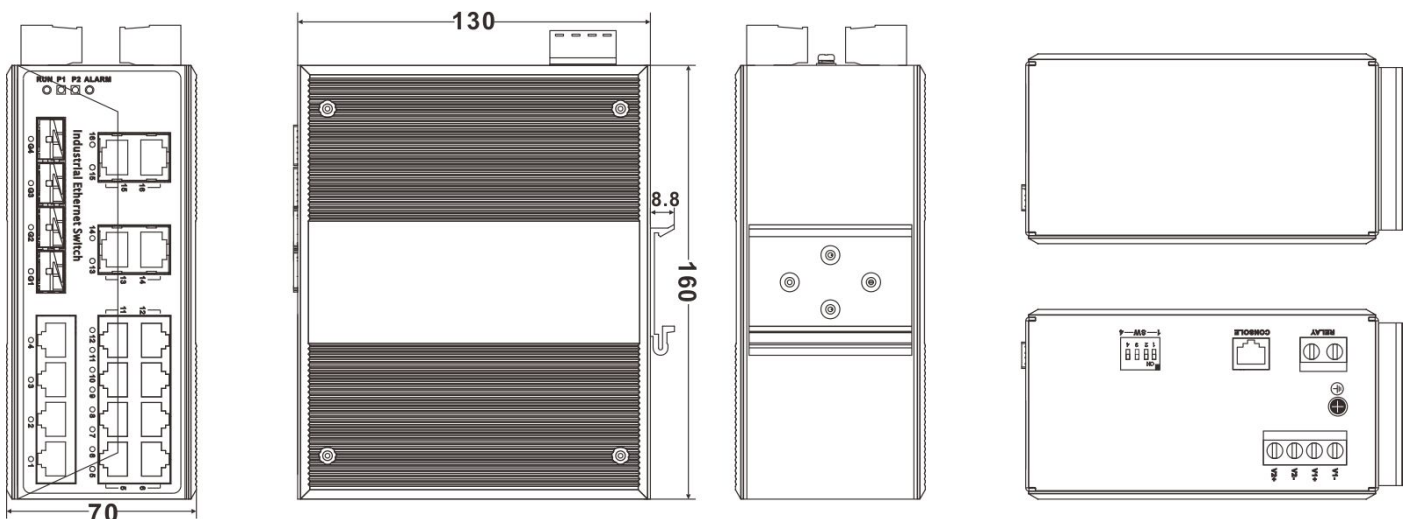
## Introduction

IES3020-4GS-P (12/48VDC) is an unmanaged Industrial Ethernet switch with high performance, high cost-effective, it provided 16 port 10Base-T/100Base-TX Ethernet + 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

1000M fiber port: 1000Base-FX (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:4.75W@24VDC

Full-load consumption: 9.86W@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

**Packing List**

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