

# IES3020G-4GS

16-port 10/100/1000BaseT(x) Ethernet + 4-port Gigabit SFP slot

Unmanaged Industrial Ethernet Switch

## Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z/ab
- Support 16 10/100/1000Base-T(x) RJ45 Ethernet ports and 4 Gigabit SFP slot
- Support MAC address auto-learning, auto-aging
- Support 10K MAC address
- Support 56Gbps backboard bandwidth
- Support redundancy DC power supply 48VDC
- Industrial grade 4 design, -40-75°C work temperature
- IP40 protection grade, DIN-Rail mounting



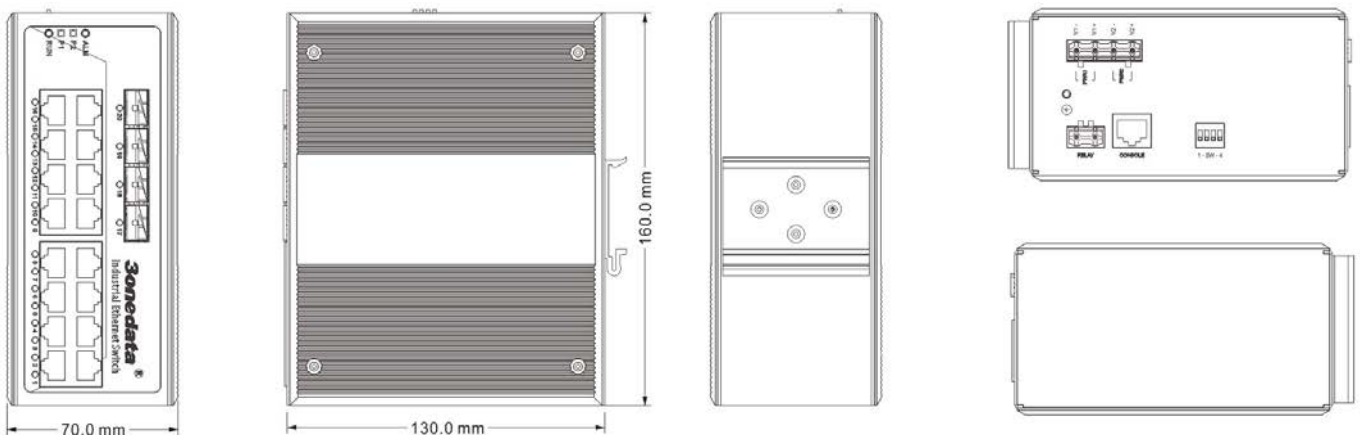
## Introduction

IES3020G-4GS is an industrial grade, unmanaged Ethernet switch which supports 16 Gigabit Ethernet Ports and 4 Gigabit SFP slots. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

The switch accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 channel DC power input and -40~75°C working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

## Dimension

Unit (mm)



## Specification

### Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3z/ab  
 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: 56G



MAC address table: 10K

Memory: 12M

**Interface**

Gigabit RJ45 port: 10Base-T/100Base-TX/1000Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect

Gigabit SFP port: 1000Base-X, SFP slot

Console port: Retain

Alarm port: 2 bit terminal block  
1 channel relay alarm output

**Transfer distance**

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

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40Km  
1550nm, 60/80/100/120Km

**LED indicator**

Run indicator: RUN

Interface indicator: Link (G1~G20)

Power supply indicator: P1, P2

Alarm indicator: ALM

**Power supply**

Input Voltage: 48VDC

Type of input: 4 bits terminal block

DC support reverse connection

DC support redundant power supply

**Consumption**

No-load consumption: 11.04W@48VDC

Full-load consumption: 14.88W@48VDC

**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 mounts

Weight: 1080g

Size (W×H×D): 70mm×160mm×130mm

**Industry Standard**

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

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

EN61000-4-3 (RS), Level 3

EN61000-4-4 (EFT), Level 3

EN61000-4-5 (Surge), Level 3

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

**Certification**

CE, FCC, RoHS, UL508 (Pending)

**Warranty:** 5 years

**Packing List**

1. Industrial Ethernet Switch ×1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1