IES3012G-4GS

8-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 8 10/100/1000Base-T(x) RJ45 Ethernet ports and 4 Gigabit SFP slot
- Support MAC address auto-learning, auto-aging
- Support 8K MAC address
- Support 24Gbps backboard bandwidth
- Support redundancy DC power supply(12～48VDC)
- Support 1 channel relay alarm output (Power alarm)
- Industrial grade 4 design, -40-75℃ work temperature
- IP40 protection grade, DIN-Rail mounting



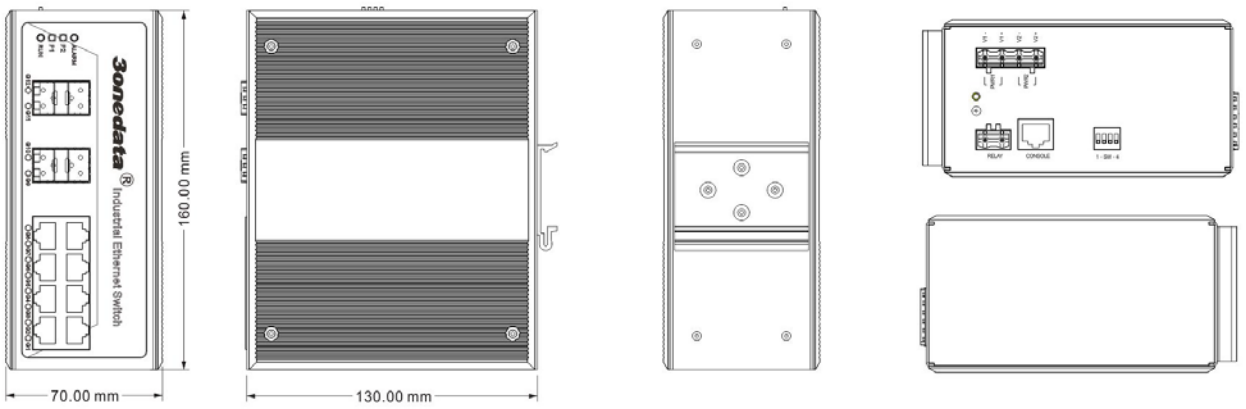
Introduction

IES3012G-4GS is an industrial grade and unmanaged Ethernet switch which supports 8 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 1 channel relay alarm output, and -40～75℃ 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, IEEE802.3x, IEEE802.3u, IEEE802.3z, 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: 24G

MAC address table: 8K

Memory: 4M

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 for power alarm

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~G12)

Power supply indicator: P1, P2

Alarm indicator: ALM

Power supply

Input Voltage: 12～48VDC

Type of input: 4 bits terminal block

DC support reverse connection

DC support redundant power supply

Consumption

No-load consumption: 4.85W@24VDC

Full-load consumption: 10.32W@24VDC

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

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

Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail mounts

Weight: 950g

Size (W×H×D): 70mm×160mm×130mm

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

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