

## IES7120G-4GS

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

### Managed Industrial Ethernet Switch

#### Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z/ab, IEEE802.1Q, IEEE802.1p, IEEE802.1D/W/s, IEEE802.1X
- Support 16 10/100/1000Base-T(x) RJ45 Ethernet ports and 4 Gigabit SFP slot
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support STP/RSTP/MSTP to enhance network stability
- Support IEEE802.1X, HTTPS, and SSH to enhance network security
- Support ACL function to enhance flexibility and security of network management
- Support static multicast, IGMP Snooping and GMRP
- Support IEEE 802.1Q VLAN, Port/MAC/Protocol VLAN
- Support QOS absolutely and opposite priority
- Support bandwidth management and storm suppression
- Support WEB, SNMP, LLDP and Telnet configuration
- Support port mirror and port trunking
- Support configuration file up and download
- Support redundancy DC power supply 48VDC
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-75°C work temperature
- IP40 protection grade, DIN-Rail mounting



#### Introduction

IES7120G-4GS is an industrial grade, managed and redundancy Ethernet switch which supports 16 Gigabit Ethernet Ports and 4 Gigabit SFP slots. It provided some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, STP/RSTP/MSTP, ERPS, VLAN, Trunking, 802.1X, SNMP, LLDP, SSH, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. SW-Ring can bring your Ethernet to intelligent redundancy. 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.

Product 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 °C working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

#### Specification

##### Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.1Q, IEEE802.1W/D/s, IEEE802.3ad, IEEE802.1X

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, MSTP, LLDP, SSH, LACP, ACL, IGMP, GMRP, SNMP

Flow control: IEEE802.3x flow control, back press flow control

##### Function

Switch function: SW-Ring, QOS, 802.1QVLAN, RSTP, MSTP, LLDP, LACP, ACL, ROMN, GMRP, IGMP Snooping, SNMP,

Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, upgrade online, up and download configuration file, user name access system

SW-Ring: Support Single, Couple, Chain, Dual homing

##### Exchange attribute

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 56G

MAC address table: 16K

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: debug serial port carry out CLI command

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 (WxHxD): 70mmx160mmx130mm

**Industry Standard**

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

EMS: EN 61000-4-2 (ESD), Level 3

EN 61000-4-3 (RS), Level 3

EN 61000-4-4 (EFT), Level 3

EN 61000-4-5 (Surge), Level 3

EN 61000-4-6 (CS), Level 3

EN 61000-4-8, Level 5

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

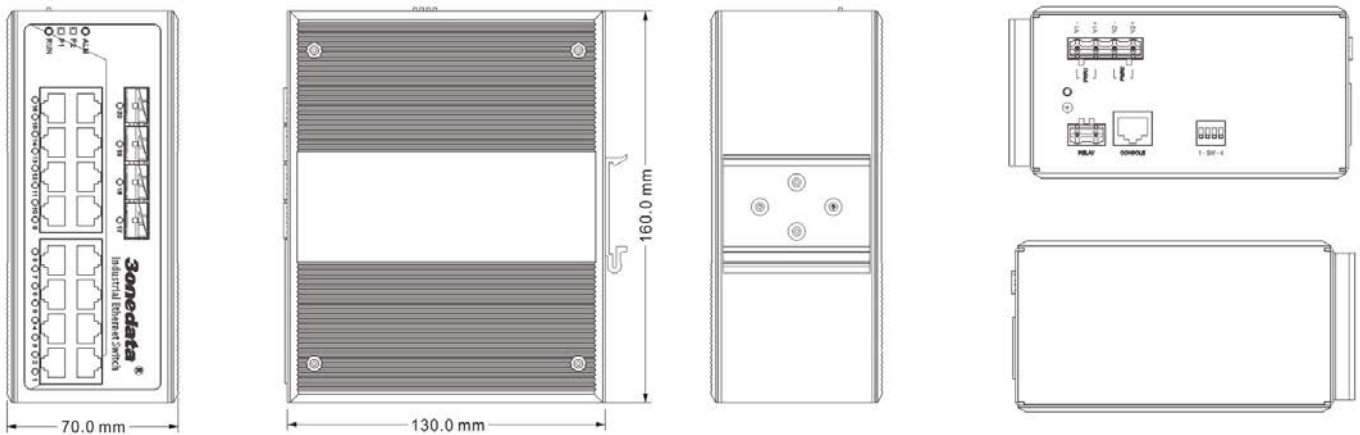
**Certification**

CE, FCC, RoHS, UL508 (Pending)

**Warranty:** 5 years

**Dimension**

**Unit (mm)**



**Packing List**

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