

IES7120-4GS-4F

12-port 10/100M Ethernet+ 4-port 100Base-FX(SC/ST/FC)+

4-port Gigabit (SFP slot) Managed Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support RSTP, way exchange time<50ms
- Support WEB configuration
- Store and Forward switching process type
- Support configuration file up and download
- Support GMRP, IGMP snooping and static Multicast
- Support Port based VLAN and IEEE 802.1Q VLAN
- Support flow control, Broadcast storm suppression
- Support SNMP and IEEE802.1X authentication
- Support 8K MAC address
- Support 12.8Gbps backboard bandwidth
- Support redundancy power supply(12~48VDC)
- Support 1 channel relay alarm output
- Operating temperature range from -40 to 75°C
- DIN rail mounted
- Metal shell, IP40 protection class



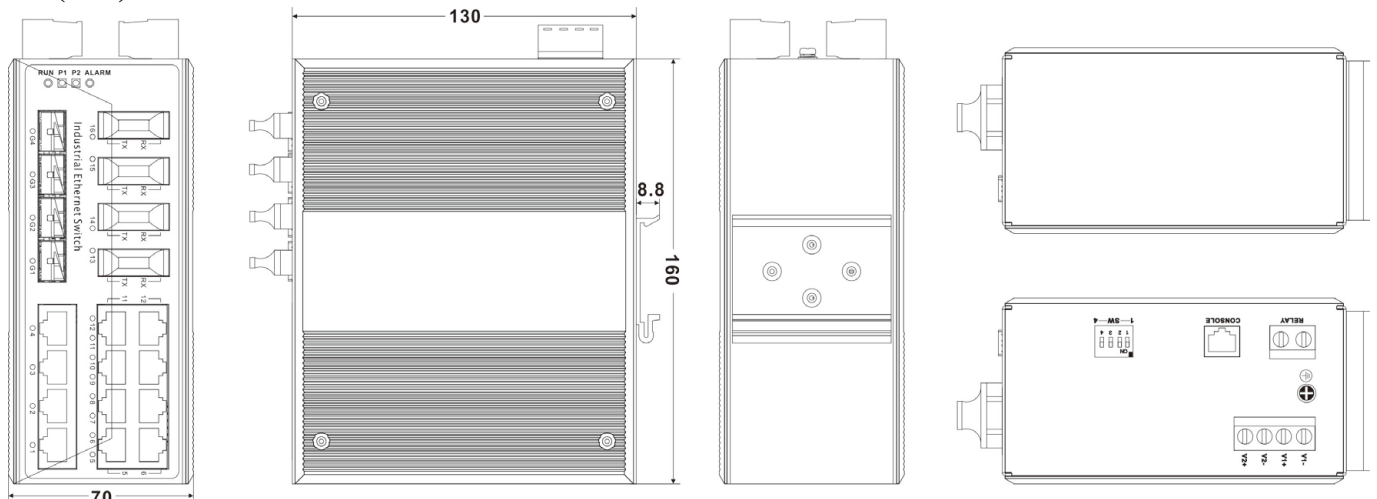
Introduction

IES7120-4GS-4F-P (12/48VDC) is an industrial grade, managed and redundancy Ethernet switch. It provided 12 Ethernet ports, 4 Fiber ports and 4 Gigabit (SFP slot) ports. SW-RingTM is an arithmetic designed as a rapid redundancy network. It provided recover technology for fault of rapid redundant network, the recovery

time<20ms. Product accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 redundant power input and 1 channel relay alarm output, and -40~75°C working temperature, can meet all kinds of Industrial environment requirement.

Dimension

Unit (mm)



**Specification****Technology**

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W

Protocol: ARP, ICMP, TCP, DHCP, HTTP, Telnet, SW-Ring, RSTP, SNMP

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

Function

Switch function: SW-Ring, QOS, 802.1QVLAN, RSTP, 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: 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-FX (SFP port)
 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, 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: 9.05W@24VDC
 Full-load consumption: 14.35W@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 mount
 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 2
 EN61000-4-6 (CS), Level 3
 EN61000-4-8, Level 4

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

Ordering Information

IES7120-4GS-4F (M): 12 port 10/100Base-T(X) + 4 port 100Base-FX Multi-mode SC/ST/FC+ 4 port gigabit (SFP slot), 12~48VDC

IES7120-4GS-4F (S): 12 port 10/100Base-T(X) + 4 port 100Base-FX Single-mode SC/ST/FC+4 port gigabit (SFP slot), 12~48VDC

IES7120-4GS-4F (SS): 12 port 10/100Base-T(X) + 4 port 100Base-FX single-mode, single fiber SC/ST/FC+ 4 port gigabit (SFP slot), 12~48VDC



Packing List

1. Ethernet switch IES7120-4GS-4F (plus terminal block) × 1
2. User manual × 1
3. CD × 1
4. Certificate of quality × 1
5. Warranty card × 1