Your Serial and Data Communications Expert

3One data

IES7120-4GS-2F

14-port 10/100M Ethernet+ 2-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
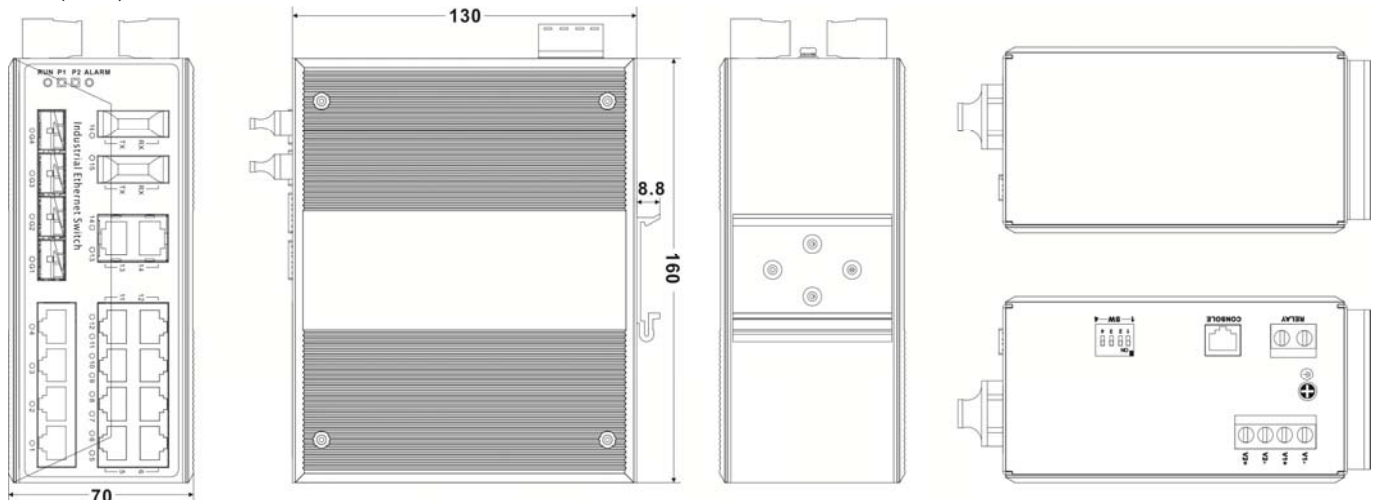- Metal shell, IP40 protection class

CE FC RoHS

Introduction

IES7120-4GS-2F-P (12/48VDC) is an industrial grade, managed and redundancy Ethernet switch. It provided 14 Ethernet ports, 2 Fiber ports and 4 Gigabit (SFP slot) ports. SW-Ring™ 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℃ 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: 7.46W@24VDC

Full-load consumption: 12.60W@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 mount

Size (W×H×D): 70mm×160mm×130mm

Industry Standard

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

EMS: EN61000-4-2 (ESD), Leve 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-2F (M): 14 port 10/100Baes-T(X) + 2 port 100Base-FX Multi-mode SC/ST/FC+ 4 port gigabit (SFP slot), 12~48VDC

IES7120-4GS-2F (S): 14 port 10/100Baes-T(X) + 2 port 100Base-FX Single-mode SC/ST/FC+4 port gigabit (SFP slot), 12~48VDC

IES7120-4GS-2F (SS): 14 port 10/100Baes-T(X) + 2 port 100Base-FX single-mode, single fiber SC/ST/FC+ 4 port gigabit (SFP slot), 12~48VDC

Packing List

1. Ethernet switch IES7120-4GS-2F (plus terminal block) × 1

2. User manual   ×   1

3. CD   ×   1

4. Certificate of quality   ×   1

5. Warranty card   ×   1