

IT-ES7120-IM-4GS-2F 14 Ports 10/100M Ethernet + 2 Ports 100Base-FX(SC/ST/FC) +

4 Ports 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.



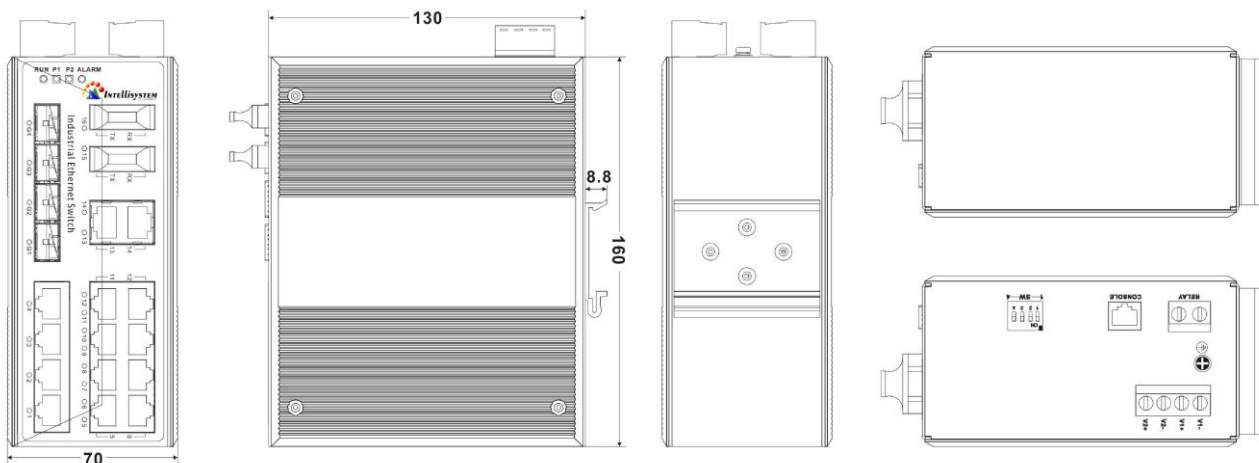
Introduction

IT-ES7120-IM-4GS-2F 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°C working temperature, can meet all kinds of Industrial environment requirement.

Dimensions

Unit (mm)



Specifications

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

Functions

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 attributes

100M forward speed: 148810pps
1000M forward speed: 1488100pps
Transmit mode: store and forward
System exchange bandwidth: 12.8G
MAC address table: 8K
Memory: 4M

Interfaces

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 indicators

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°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 Standards

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

Certifications

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Informations

IT-ES7120-IM-4GS-2F (M): 14 ports 10/100Base-T(X) + 2 ports 100Base-FX Multi-mode SC/ST/FC + 4 ports gigabit (SFP slot), 12~48VDC

IT-ES7120-IM-4GS-2F (S): 14 ports 10/100Base-T(X) + 2 ports 100Base-FX Single-mode SC/ST/FC +4 ports gigabit (SFP slot), 12~48VDC

IT-ES7120-IM-4GS-2F (SS): 14 ports 10/100Base-T(X) + 2 ports 100Base-FX single-mode, single fiber SC/ST/FC + 4 ports gigabit (SFP slot), 12~48VDC

Packing List

1. Ethernet switch IT-ES7110-IM-4GS-2F (plus terminal block) ×1
2. User manual ×1
3. CD ×1
4. Certificate of quality ×1
5. Warranty card ×1