

IT-ES7110-IM-2GS-4F

4-ports 10/100M Ethernet + 4-ports 100Base-FX(SC/ST) +

2-ports Gigabit (SFP slot) Managed Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, 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<1s.
- Support WEB configuration.
- Support MAC address learning, aging automatic.
- Support port status display, data update.
- Support static and dynamic IGMP.
- Support flow statistics.
- Support bi-directional port mirroring.
- Support rate control, Broadcast storm control.
- Support configuration file up and download.
- Support 1 channel relay alarm output.
- Industrial grade 4 design, -25-70°C work temperature.
- No fan design.
- IP30 protection grade.



1

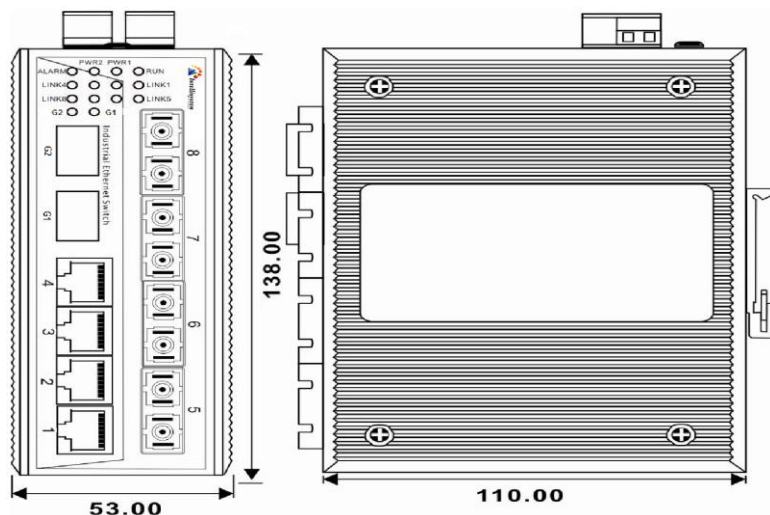
Introduction

IT-ES7110-IM-2GS-4F is an industrial grade, managed and redundancy Ethernet switch. It provided some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, VLAN, Trunking, 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. It provided wide voltage power supply input. SWRing™ is designed as a rapid redundancy network arithmetic. It provided recover technology for fault of rapid redundant network, the recovery time<20ms.

Dimensions

Unit (mm)



Specifications

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
Protocol: ARP, ICMP, TCP, UDP, DHCP, DNS, 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
100M maximum filter speed: 148810pps
1000M maximum filter speed: 1488100pps
Transmit mode: store and forward
System exchange bandwidth: 5.6G
MAC address table: 8K
Memory: 1M

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 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: 2bit 7.62mm Terminal block
1 channel relay alarm output
Load ability: 1A@24VDC

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)
Multimode: 1310 nm, 2Km
Single mode: 1310nm, 20/40/60Km
1550nm, 60/80/100/120Km

LED indicators

Run indicator: Run
Interface indicator: Link (1~8/G1~G2)
Power supply indicator: PWR1, PWR2
Alarm indicator: Alarm

Power supply

Input voltage: 12~48VDC
Input method: 4 bits 7.62mm terminal block
Overload current protect: 4.0A(DC) or 5.0A(AC)
Support DC dual power supply alarm input
Support DC dual power supply redundancy
Support DC input no parity, protection reverse connection

Consumption

Unload consumption: 6.1W@24VDC
Full load consumption: 9.0W@24VDC

Working environment

Working temperature: -25~70°C
Storage temperature: -40~85°C
Relative Humidity: 5%~95% (no condensation)

Mechanical Structure

Shell: IP40 protect grade, metal shell
Installation: DIN rail, wall mount
Size (W×H×D): 138mm×53mm×110mm
Weight: 720g

Industry Standards

CE, FCC, RoHS, PAL, UL508 (Pending)
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 (AC power supply)
EN61000-4-6 (CS), Level 3
EN61000-4-8, Level 5
Shock: IEC 60068-2-27
Free fall: IEC 60068-2-32
Shake: IEC 60068-2-6
Warranty: 5 years

Ordering Informations

IT-ES7110-IM-2GS-4F(M): 4 ports 10/100Base-T(X) + 4 ports 100Base-FX Multi-mode SC/ST + 2 ports gigabit (SFP slot), 12-48VDC

IT-ES7110-IM-2GS-4F(S): 4 ports 10/100Base-T(X) + 4 ports 100Base-FX Single-mode SC/ST + 2 ports gigabit (SFP slot), 12-48VDC

IT-ES7110-IM-2GS-4F(SS): 4 ports 10/100Base-T(X) + 4 ports 100Base-FX single-mode, single fiber SC/ST + 2 ports gigabit (SFP slot), 12-48VDC

Packing List

1. Ethernet switch IT-ES7110-IM-2GS-4F (plus terminal block) ×1
2. Hardware Installation Guide ×1
3. CD-ROM with Windows Utility ×1
4. Product Warranty Statement ×1
5. RJ45 to DB9 Console port cable ×1
6. DIN-Rail setting fittings (wall mounting for optional)