IES7110-2GS-2F

6-port 10/100M Ethernet+ 2-port 100Base-FX(SC/ST)+

2-port 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℃work temperature
- No fan deign
- IP40 protection grade



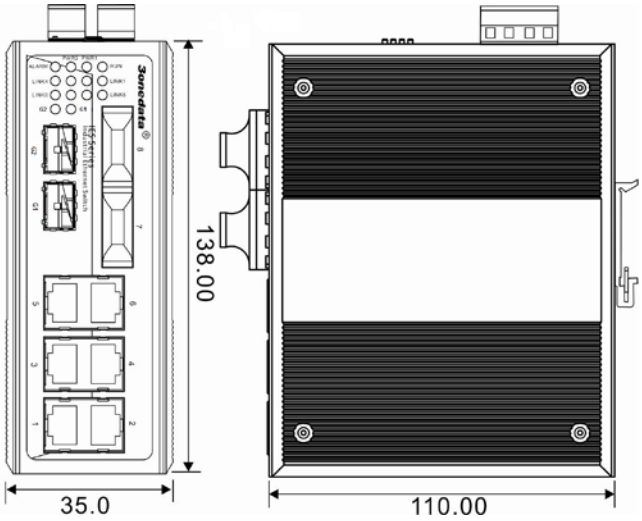
Introduction

IES7110-2GS-2F 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. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

SW-Ring™ is designed as rapid redundancy network arithmetic. It provided recover technology for fault of rapid redundant network, the recovery time<20ms.

Dimension

Unit(mm)



Specification

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

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
100M maximum filter speed:148810pps
1000M maximum filter speed:1488100pps
Transmit mode: store and forward
System exchange bandwidth: 7.6G
MAC address table: 8K

Memory: 1M

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 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 7.62mmTerminal block

1 channel relay alarm output

Load ability: 1A@24VDC

Transfer distance:

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

1550nm, 60/80/100/120Km

LED indicator:

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: 5.1W@24VDC

Full load consumption: 8.0W@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, wall mount
Size（W×H×D: 138mm×53mm×110mm
Weight: 720g

Industry Standard:

CE, FCC, RoHS, 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
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 Information

IES7110-2GS-2F(M): 6 port 10/100Baes-T(X)+2 port 100Base-FX Multi-mode SC/ST+ 2 port gigabit (SFP slot),12-48VDC

IES7110-2GS-2F(S): 6 port 10/100Baes-T(X)+2 port 100Base-FX Single-mode SC/ST+2 port gigabit (SFP slot),12-48VDC

IES7110-2GS-2F(SS): 6 port 10/100Baes-T(X)+2 port 100Base-FX single-mode, single fiber SC/ST+ 2 port gigabit (SFP slot),12-48VDC

Packing List

1. Ethernet switch IES7110-2GS-2F (plus terminal block)×1
2. Hardware Installation Guide ×1
3. CD-ROM with Windows Utility ×1
4. Product Warranty Statement ×1
5. DIN-Rail mounting kit (wall mounting for optional)