IPS7110 Series

2-Port Gigabit Combo + 4-Port/8-Port Fast Ethernet PoE

Managed Industrial PoE Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3z/ab, IEEE802.1Q, IEEE802.1p, IEEE802.1D/W
- Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W)
- Supports 2 Gigabit combo ports
- Up to 8 Fast Ethernet ports with POE function
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support RSTP, way exchange time<1s
- Support static multicast, IGMP Snooping and GMRP
- Support Port based VLAN and IEEE 802.1Q VLAN
- Support QOS absolutely and opposite priority
- Support WEB, SNMP and Telnet configuration
- Support port status display, data update.
- Industrial grade design, -40-75℃work temperature
- IP40 protection grade, DIN rail mounted



Introduction

IPS7110 Series are industrial grade, managed and redundancy Ethernet switches. The series provide 2 ports combo Gigabit SFP slots or 10/100/1000Base-T(X) ports, up to 8 ports Ethernet supports POE function (IEEE 802.3af/at). They provide some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring and fault alarm. SW-Ring can bring your Ethernet to intelligent redundancy. The -40~75℃ working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

Specification

Technology

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

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

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

POE Standard: IEEE802.3af/at

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

Fast Ethernet Port: 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect

PoE Pin-out: 1/2(+), 3/6(-)

Gigabit Combo port: 1000Base-X SFP slot or 10/100/1000Base-T(X)

Console port: debug serial port carry out CLI command

Alarm port: 2 bit 7.62mm terminal block

1 channel relay alarm output

Current load capacity 1A@24VDC

Transfer distance

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

LED indicator

Run indicator: Run
Interface indicator: Link (1~8/G1~G2)
POE indicator: 1~4/8
Power supply indicator: P1, P2
Alarm indicator: Alarm

Power supply

Input Voltage: 48VDC (44~57VDC)
Type of input: 4 bits 7.62mm terminal block
Overload current protection: 4.0A (DC)
Support DC dual power supply redundancy
Support reverse connection protection

Consumption

IPS7110-2GC-8POE
No-load consumption：4.3W@48VDC
Full-load consumption(PD)：123.6W@48VDC
IPS7110-2GC-4T-4POE
No-load consumption：8.9W@48VDC
Full-load consumption(PD)：114.4W@48VDC
Single PoE port maximum consumption: 30W@48VDC

Working environment

Working temperature: -40~75℃
Storage temperature: -40~75℃
Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

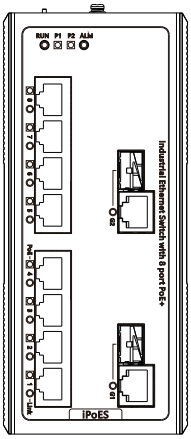
Shell: IP40 protect grade, metal shell
Installation: DIN rail mount
Size (W×H×D): 70mm×160mm×130mm
Weight: 1.07kg

Industry Standard

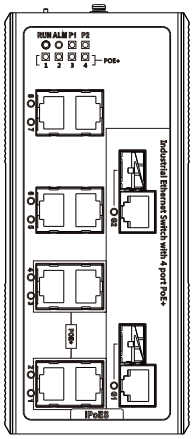
EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), Level 3
EN61000-4-4 (EFT), Level 3
EN61000-4-5 (Surge), Level 3
Shock: IEC 60068-2-27
Free fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Warranty: 5 years

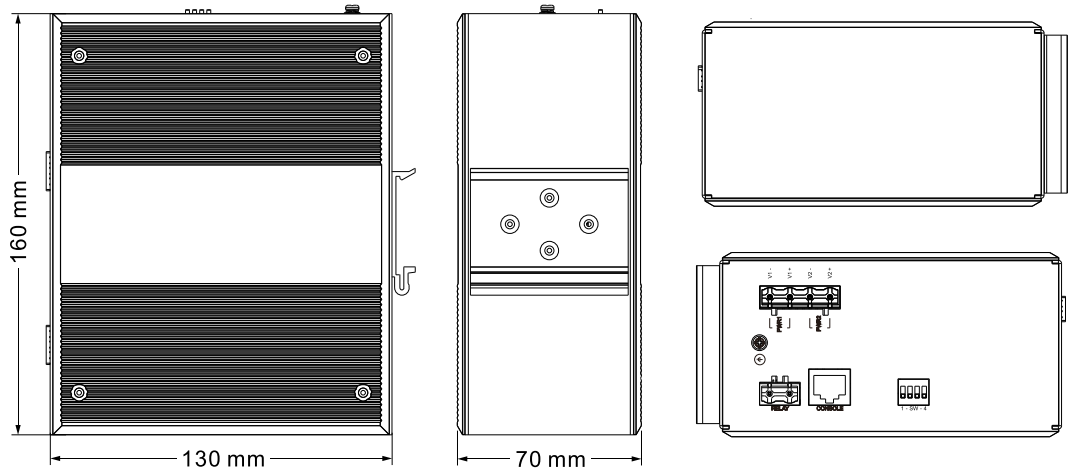
Dimension (Unit: mm)



IPS7110-2GC-8POE



IPS7110-2GC-4T-4POE



Packing List

1. Industrial PoE switch (plus terminal block) ×1
2. User manual × 1
3. Documentation and software CD × 1
4. Certificate of quality × 1
5. Warranty card × 1
6. DIN-Rail mounting kit × 1

Ordering Information

IPS7110-2GC-8POE: 2 Gigabit combo ports + 8-port 10/100Base-T(X) PoE, Managed Industrial PoE Switch, DIN rail mounting

IPS7110-2GC-4T-4POE: 2 Gigabit combo ports + 4-port 10/100Base-T(X) PoE + 4-port 10/100Base-T(X), Managed Industrial PoE Switch, DIN rail mounting