IPS7112G-4GS-8GPOE 8-Port 10/100/1000Base-T(X) PoE + 4-Port 1000Base-X SFP slots

Managed Industrial PoE Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.3af/at, IEEE802.1Q, IEEE802.1p, IEEE802.1W/D, IEEE802.1s, IEEE802.3ad, IEEE802.1X
- Support 8 10/100/1000Base-T(X) PoE RJ45 Ethernet ports and 4 Gigabit SFP slots
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support STP/RSTP/MSTP to enhance network stability
- Support IEEE802.1X, HTTPS, and SSH to enhance network security
- Support ACL function to enhance flexibility and security of network management
- Support static multicast, IGMP Snooping and GMRP
- Support Port based VLAN and IEEE 802.1Q VLAN
- Support QoS absolutely and opposite priority
- Support bandwidth management and storm suppression
- Support WEB, SNMP, LLDP and Telnet configuration
- Support port mirror and port trunking
- Support configuration file up and download
- Support redundancy DC power supply(48VDC)
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-70℃ work temperature
- IP40 protection grade, DIN-Rail mounting



Introduction

IPS7112G-4GS-8GPOE is an industrial grade, managed and redundancy Ethernet switch which supports 8 Gigabit PoE ports and 4 Gigabit SFP slots. The switches are classified as power source equipment (PSE) which can be used to power IEEE802.3af/at standard devices (PD), eliminating the need for additional wiring. It provided some kinds of advanced network managed function, such as: SW-Ring redundancy ring network, STP/RSTP/MSTP, VLAN, Trunking, 802.1X, SNMP, LLDP, SSH, 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 use industrial design, which makes product high reliability. It provided wide voltage power supply input.

The switch accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 channel DC power input and 1 channel relay alarm output, and -40 ~ 70℃ working temperature, can meet all kinds of industrial environment requirement and provide the solution of the economy.

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3af/at, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1W/D, IEEE802.1s, IEEE802.3ad, IEEE802.1X

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, MSTP, LLDP, SSH, LACP, ACL, IGMP, GMRP, SNMP

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

Function

Switch function: POE, SW-Ring, QOS, 802.1QVLAN, RSTP, MSTP, LLDP, LACP, ACL, ROMN, GMRP, IGMP Snooping, 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: 24Gbps
MAC address table: 8K
Memory: 4Mbit

Interface

Gigabit RJ45 port: 10/100/1000Base-T(X) auto speed control, Half/full duplex and MDI/MDI-X auto detect
PoE Pin-out: 1/2(+), 3/6(-)
Gigabit SFP port: 1000Base-X, SFP slot
Console port: RS-232 (RJ45 connector)
Alarm port: 2 bit terminal block
1 channel relay alarm output
Current load capacity 1A@24VDC

Transfer distance

Twisted cable: 100M (standard CAT5e/CAT6 cable)
Multi-mode: 1310nm, 2Km
Single-mode: 1310nm, 20/40Km
1550nm, 60/80/100/120Km

LED indicator

Run indicator: RUN
Power supply indicator: P1, P2
Alarm indicator: ALM
Interface indicator: Link (1~12)
POE indicator: PoE(1~8)

Power supply

Input Voltage: 48VDC
Type of input: 4 bits terminal block
DC support reverse connection protection
DC support redundant power supply

Consumption

No-load consumption: 7.30W@48VDC
Full-load consumption (PoE): 103.49W@48VDC

Working environment

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

Mechanical Structure

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

Industry Standard

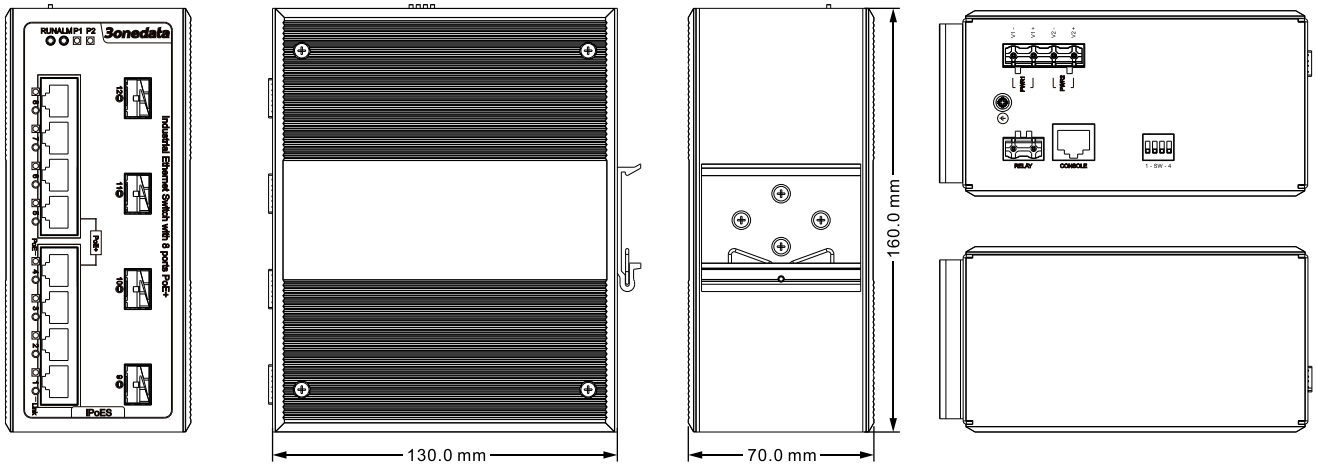
EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), Level 3
EN61000-4-4 (EFT), Level 3
Shock: IEC 60068-2-27
Free fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Dimension (Unit: mm)



Packing List

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