

IT-IPS-618-IM-2F-4-POE 4 ports 10/100Base-T(x) (POE) + 2 ports 100Base-FX + 2 ports 10/100Base-T(x)

Managed Industrial POE Switch

Features

1. Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W.
2. Compatible with both IEEE802.3 at (30W) and IEEE802.3af (15.4W).
3. Supports 4 Fast Ethernet PoE ports, 2 Fast Ethernet copper ports and 2 Fast Ethernet optic fiber ports.
4. SW-Ring ring network patent technology (Fault recovery time<20ms).
5. Support RSTP, way exchange time<50ms.
6. Support static multicast, IGMP Snooping and GMRP.
7. Support Port based VLAN and IEEE 802.1Q VLAN.
8. Support QOS absolutely and opposite priority.
9. Support WEB, SNMP and Telnet configuration.
10. Support port status display, data update.
11. Industrial grade design, -40-75°C work temperature.
12. IP40 protection grade, DIN rail mounted.



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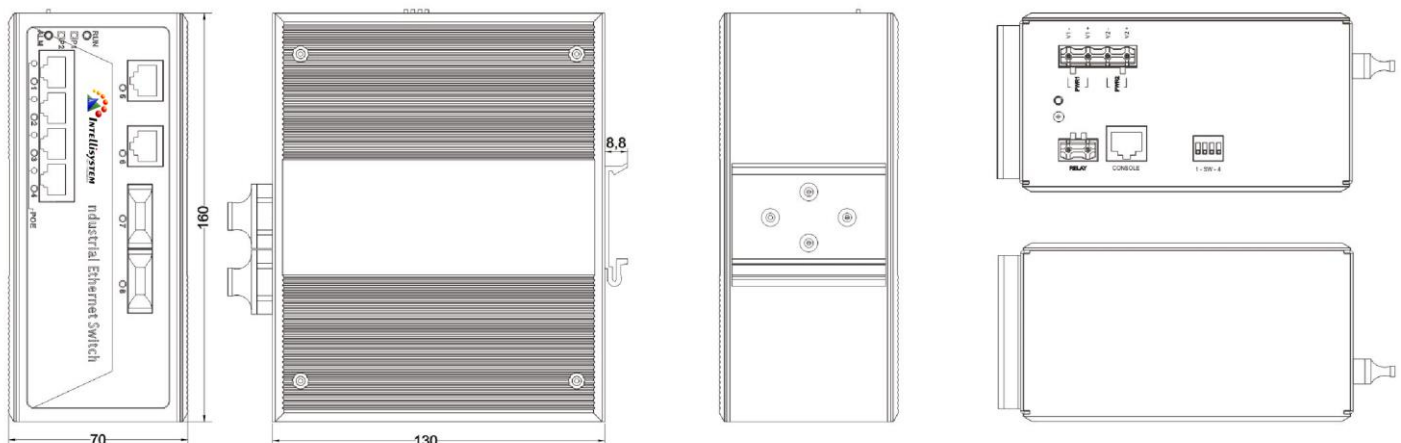
Introduction

IT-IPS-618-IM-2F-4-POE is an industrial grade, managed and redundancy Ethernet switch. The switch provides 4 ports 10/100M Ethernet PoE, 4 ports 10/100M Ethernet and 2 ports fast Ethernet optical, which 4 ports Ethernet supports POE function (IEEE 802.3af/at). 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 and fault alarm. SW-Ring can bring your Ethernet to intelligent redundancy. The -40~75°C working temperature can meet all kinds of Industrial environment requirement and provide the solution of the economy.

Dimensions

Unit (mm)



Specifications

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, SW-Ring, RSTP, SNMP

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

POE Standard: IEEE802.3af/at

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: 7.6G
MAC address table: 8K
Memory: 1M

Interfaces

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(-)
100M optic fiber port: 100Base-FX, SC/ST/FC connector, support single-mode (20/40/60/80Km optional), multi-mode (2Km), wavelength: 1310nm, 1550nm
Console port: debug serial port carry out CLI command
Alarm port: Two bit 7.62mm terminal block
One channel relay alarm output

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)
Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40/60Km
1550nm, 80/100/120Km

LED indicators

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

Power supply

Input Voltage: 44~57VDC
Type of input: 4 bits 7.62mm terminal block
No-load consumption: 7W@48VDC
Full-load consumption: 68.6W@48VDC
Single PoE port maximum consumption: 30W@48VDC

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
Weight: 1.2kg

Industry Standards

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

Warranty: 5 years

Ordering Informations

IT-IPS-618-IM-2F(M)-4-POE: 4 ports 10/100Base-T(X) PoE + 2 ports 10/100Base-T(X) + 2 ports 100Base-FX Multi-mode SC/ST/FC, 44-57VDC

IT-IPS-618-IM-2F(S)-4-POE: 4 ports 10/100Base-T(X) PoE + 2 ports 10/100Base-T(X) + 2 ports 100Base-FX Single-mode SC/ST/FC, 44-57VDC

IT-IPS-618-IM-2F(SS)-4-POE: 4 ports 10/100Base-T(X) PoE + 2 ports 10/100Base-T(X) + 2 ports 100Base-FX single-mode, single fiber SC/ST/FC, 44-57VDC

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