IES618-2F

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

Managed Industrial Ethernet Switch

Features

1. Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
2. SW-Ring ring network patent technology (Fault recovery time<20ms）
3. Support RSTP, way exchange time<50ms
4. Support static multicast, IGMP Snooping and GMRP
5. Support Port based VLAN and IEEE 802.1Q VLAN
6. Support QOS absolutely and opposite priority
7. Support rate control, Broadcast storm control
8. Support WEB, SNMP and Telnet configuration
9. Support MAC address learning, aging automatic
10. Support DHCP server and port frame statistics
11. Support configuration file up and download
12. DC power support redundancy 12~48VDC power input
13. Support 1 channel relay alarm output
14. Industrial grade 4 design, -40-75℃work temperature
15. IP40 protection grade, DIN rail mount



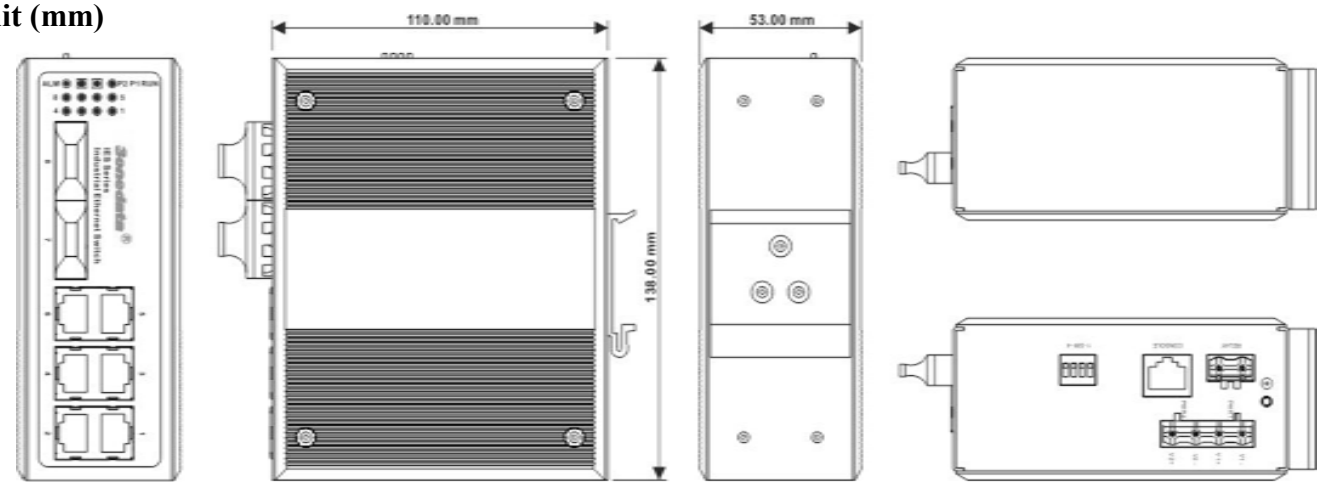
Introduction

IES618-2F is an industrial grade, managed and redundancy Ethernet switch which supports 6 Ethernet Ports and 2 Fiber ports. 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.

Product complies with FCC and CE standards, in line with the industrial design requirements, for intelligent substation construction provides high-performance, high-quality products guaranteed. Support redundancy power inputs and 1 relay alarm output, wide temperature range of -40~75℃ to be able to meet the requirements of all kinds of industrial field, can be widely used in electric power, water conservancy, transportation, and other fields.

Dimension

Unit (mm)



Specification

Technology

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

Protocol: ARP, ICMP, TCP, 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

100M maximum filter speed: 148810pps

Transmit mode: store and forward

System exchange bandwidth: 2.0G

MAC address table: 2K

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/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: 2 bit terminal block

1 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 indicator

Run indicator: Run

Interface indicator: Link (1~8)

Power supply indicator: P1, P2

Alarm indicator: Alarm

Power supply

Input Voltage: 12～48VDC

Type of input: 4 bits terminal block

Support DC dual power supply alarm input

Support DC dual power supply redundancy

Consumption

No-load consumption: 3.11W@12VDC

Full-load consumption: 5.68W@12VDC

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 mounting

Weight: 718.4g

Size (W×H×D): 53mm×138mm×110mm

Industry Standard

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

Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Information

IES618-2F (M): 6 port 10/100Baes-T(X) + 2 port 100Base-FX Multi-mode SC/ST/FC, 12~48VDC

IES618-2F (S): 6 port 10/100Baes-T(X) + 2 port 100Base-FX Single-mode SC/ST/FC, 12~48VDC

IES618-2F (SS): 6 port 10/100Baes-T(X) + 2 port 100Base-FX single-mode, single fiber SC/ST/FC, 12~48VDC

Packing List

1. Industrial Ethernet switch IES618-2F (plus terminal block) ×1
2. CD x 1
3. User manual x 1
4. Certificate of quality x 1
5. Warranty card x 1