IES308-1F

7-port 10/100M Ethernet+ 1-port 100Base-FX (SC/ST/FC)

Unmanaged Industrial Ethernet Switch

Features

- Advanced Ethernet switch technical
- IEEE802.3/802.3u/802.3x/802.3d,store and forward
- Support 7-port 10/100M Ethernet and 1-port 100Base-FX(SC/ST/FC)
- Plug-and-play, 10/100M, F/H duplex, MDI/MDI-X auto negotiation
- Broadcast storm protection
- Relay output warning for power failure and port break alarm
- Redundant 24VDC power input(12V～48VDC)
- -40~75℃ working temperature
- Designed for industrial applications
- IP30 protection, rugged high-strength metal case

Introduction

IES308-1F series are a smart plug-and-play industrial Ethernet switch, which can provide economical solution for your Ethernet. Its dustproof fully sealed structure(pr protective case of IP30 level), over-current, over-voltage and EMC protected redundant double power input as well as built-in intelligent alarm design can help system main tenancy personnel monitor the network operation, which can work reliably in harsh and dangerous environment.

IES308-1F support 7 TP ports and 1 optic port, TP(RJ45) Support 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection.100BaseFX ports supports single/multi mode, SC/ST connector, optional.

Specification

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3x

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

Exchange attribute

100M forward speed: 148810pps

Transmit mode: store and forward

System exchange bandwidth: 1.6G

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

Alarm port: 2 bit terminal block, 1 channel relay alarm output Support power and port alarm

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

Relay

Max voltage: DC30V

Max power input: 1A@24VDC

Power supply

Input voltage: 12~48VDC

Type of input: 4 bit terminal block

Support DC dual power supply redundancy

Support overload Current Protection

Consumption

No-load consumption: 1.7W@12VDC

Full-load consumption: 3.1W@12VDC

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP30 protect grade, metal shell

Installation: DIN-Rail mounting

Weight: 900g

Size (W×H×D): 53mm×136mm×105mm

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

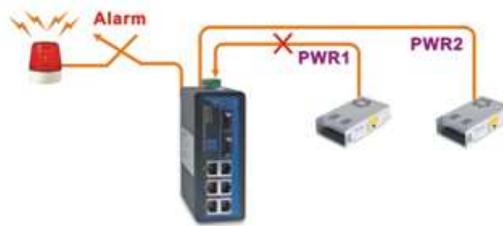Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

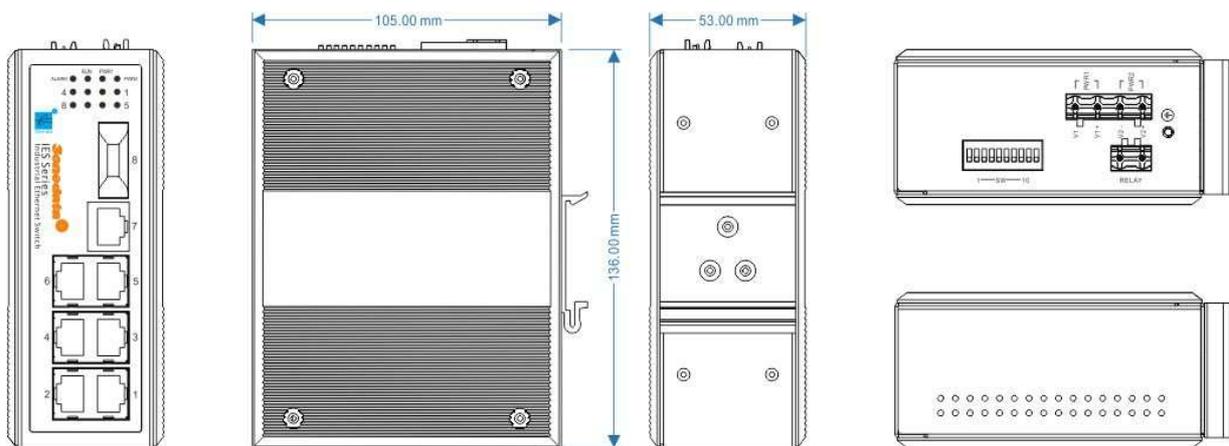## Double power supply input and relay output alarm

IES308 series can provide double power supply backup and 1-route relay alarm output. Redundant double DC power supply input (12V～48VDC) can provide your equipment with uninterrupted operation to further provide additional protection for normal operation of automatic system. 1-route equipment alarm output signal can support power supply and port link alarm. Relay can give out output alarm in case of power supply failure or interruption of port link to notice or remind site engineers to make quick response for appropriate emergency maintenance

Dimension

Unit:mm

Ordering Information

IES308-1F (M): 7-port 10/100Baes-T(X) + 1-port 100Base-FX, Multi-mode, SC, ST, FC, optional, DC12-48V

IES308-1F (S): 7-port 10/100Baes-T(X) + 1-port 100Base-FX, Single-mode, SC, ST, FC, optional, DC12-48V

IES308-1F (SS): 7-port 10/100Baes-T(X) + 1-port 100Base-FX, Single-mode, single fiber, SC, ST, FC, optional, DC12-48V

Packing List

1. Ethernet switch IES308-1F (plus terminal block)×1

2. User manual ×1

3. DIN-Rail fittings ×1