

IES318

8-port 10/100M Unmanaged Industrial Ethernet Switch

Features

- Advanced Ethernet switch technical
- IEEE802.3/802.3u/802.3x, store and forward
- Support 8 port 10/100M Ethernet
- 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°C working temperature
- Designed for industrial applications
- IP40 protection, rugged high-strength metal case



Introduction

IES318 series are a smart plug-and-play industrial Ethernet switch, which can provide economical solution for your Ethernet. Its dustproof fully sealed structure (IP40 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. IES318 Supports 8 ports 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection.

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
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)

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: 1.5W@12VDC
Full-load consumption: 2.2W@12VDC

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 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

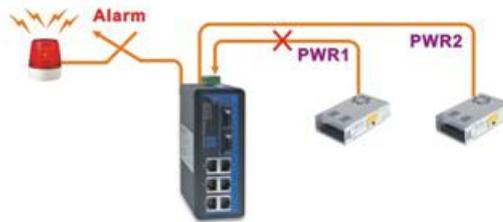
Certification

CE, FCC, RoHS, UL508 (Pending)

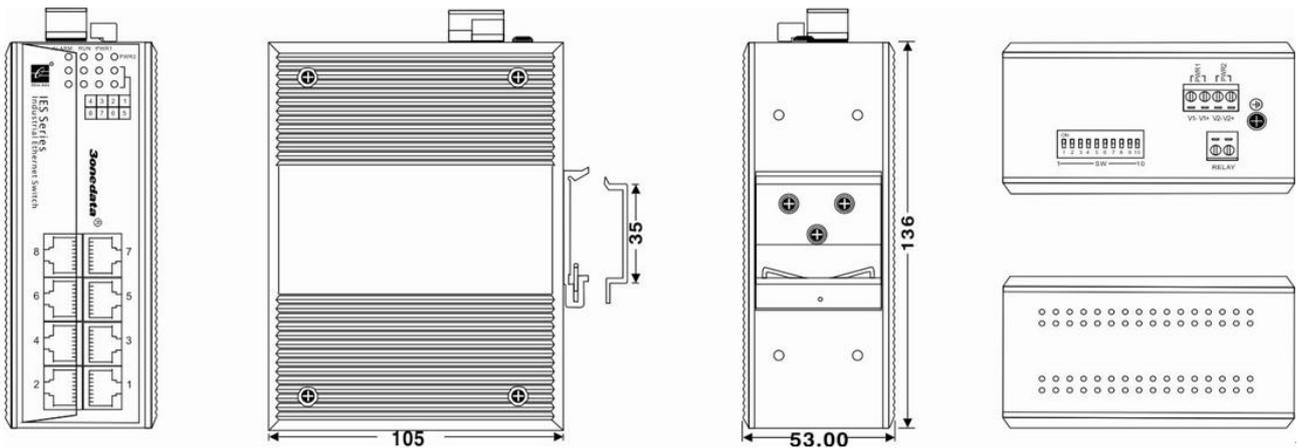
Warranty: 5 years

Double power supply input and relay output alarm

IES318 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



Packing List

1. Industrial Ethernet switch IES318 (plus terminal block)×1
2. User manual ×1
3. DIN-Rail fittings ×1