IES318 series

8-Port Fast Ethernet

Unmanaged Industrial Ethernet Switch

Features

- Support 6~8 port 10/100M Ethernet
- Support 0~2 port 100Base-FX (SC/ST/FC)
- Relay output warning for port break alarm
- Broadcast storm protection
- Support 10/100M, half/full duplex, MDI/MDI-X
- Support 2K MAC address table
- -40~75°C working temperature
- 12 ~ 48VDC redundant dual power input
- No fan, low consumption
- IP40 protection, metal shell
- DIN-Rail mounting



Introduction

IES318 series are smart plug-and-play industrial Ethernet switches, which can provide economical solution for your Ethernet. Its dustproof fully sealed structure (pr protective case of IP40 level). 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, can provide economical solution for your Ethernet connection.

The switches comply with specifications FCC and CE standards. IES318 series can also provide wide temperature type in accommodation with limit temperature (-40~75°C) and support DIN-rail / wall mounting..

Specification

Technology

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

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

Ethernet RJ45 Ports: 10/100BaseT(X) auto connection, Full /Half duplex or force work mode, and support MDI/MDI-X connection

Optic fiber port: 100Base-FX, SC/FC/ST, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

LED indicator

Run indicator: RUN

Power supply indicator: P1, P2

Alarm indicator: ALM

Interface indicator: Link/ACT (1~8)

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

Power

Input power: 12～48VDC

Input type: 4 bits 7.62mm terminal block

IES318F

No-load consumption: 1.3W@48VDC

Full-load consumption: 3.6W@48VDC

IES318-1F

No-load consumption: 3.2W@48VDC

Full-load consumption: 4.5W@48VDC

IES318-2F

No-load consumption: 4.5W@48VDC

Full-load consumption: 8.5W@48VDC
Support DC dual power supply redundancy

Working environment

Working temperature: -40～75℃
Storage temperature: -40～85℃
Relative Humidity: 5%~95% (no condensation)

Mechanical Structure

Shell: IP40 protection, metal shell
Installation: DIN-rail mounting, wall mounting (with optional kit)
Size (W×H×D): 53mm×138mm×110mm
Weight: 670g

Approvals

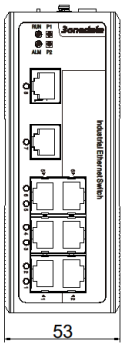
EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN 61000-4-2 (ESD), Level 3
EN 61000-4-4 (EFT), Level 3
EN 61000-4-5 (Surge), Level 3
Shock: IEC 60068-2-27
Free Fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Certification

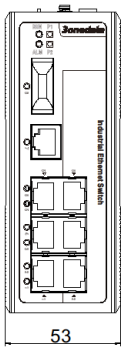
CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

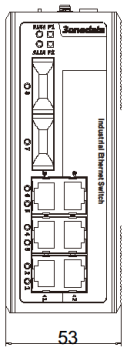
Dimension (Unit: mm)



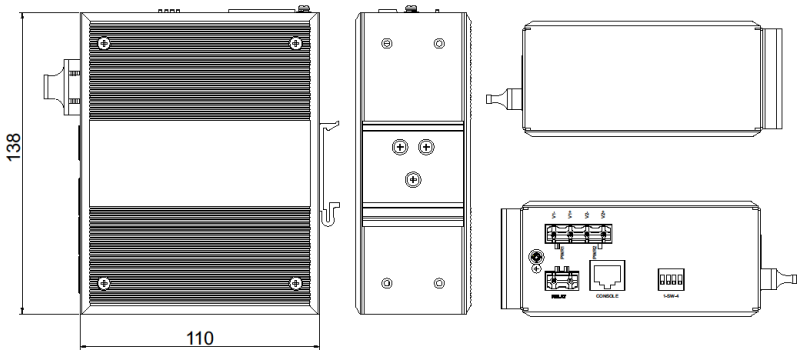
IES318



IES318-1F



IES318-2F



Ordering Information

1. IES318: 8port 10/100Baes-T(X) , 12~48VDC
2. IES318-1F: 7 port 10/100Baes-T(X)+ 1 port 100Base-FX (SC/ST/FC),12~48VDC
3. IES318-2F: 6 port 10/100Baes-T(X) + 2 port 100Base-FX (SC/ST/FC), 12~48VDC

Packing List

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