IES3016-6F

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

Unmanaged Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x
- Store and Forward switching process type
- Support MAC address auto-learning, auto-aging
- Support flow control
- Support Broadcast storm suppression
- Support 8K MAC address
- Support 12.8Gbps backboard bandwidth
- Support redundancy power supply(12～48VDC)
- Operating temperature range from -40 to 75°C
- Designed without fan
- DIN rail mounted
- Metal shell, IP40 protection class

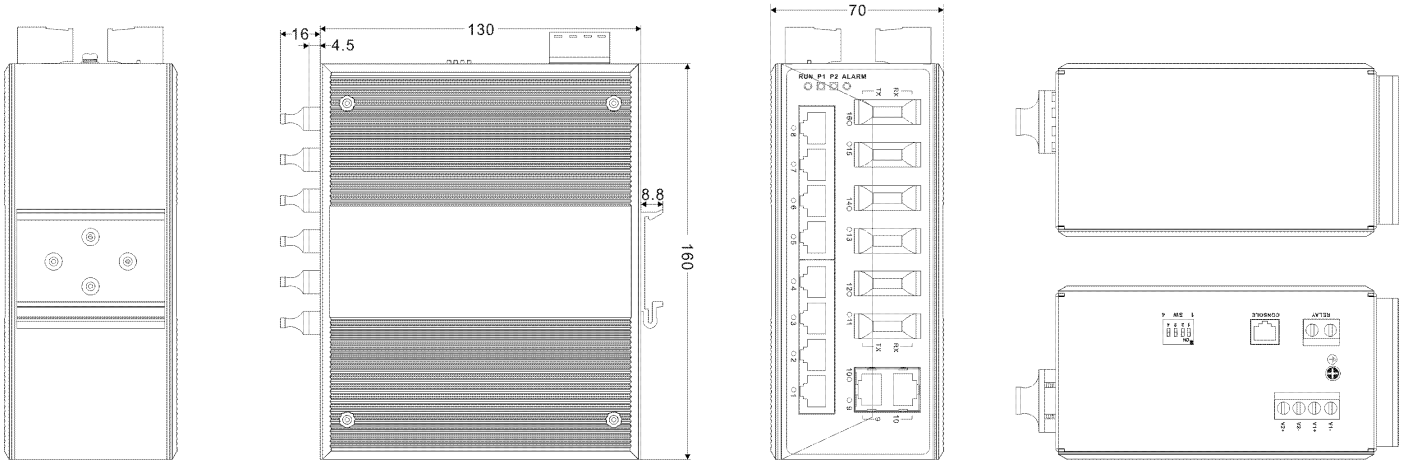


Introduction

IES3016-6F-P (12/48VDC) is unmanaged Industrial Ethernet switch with high performance, high cost-effective, it provided 10 port 10Base-T/100Base-TX Ethernet+ 6 port 100Base-FX (FC/SC/ST). Product accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 redundant power input and -40～75℃ working temperature, can meet all kinds of Industrial environment requirement. It can use in power, water conservancy, transportation area etc.

Dimension

Unit (mm)



Specification

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE 802.3x,

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

Function

Exchange attribute:

100M forward speed: 148810pps

100M maximum filter speed: 148810pps

Transmit mode: store and forward

System exchange bandwidth: 12.8G

MAC address table: 8K

Memory: 4M

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

Transfer distance:

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

Multi-mode: 1310nm, 2/5Km

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

1550nm, 80/100/120Km

LED indicator:

Run indicator: Run

Interface indicator: Link (1~16)

Power supply indicator: P1, P2

Power supply

Input Voltage: 24VDC (12~48VDC)

Input method: 4 bits 7.62mm terminal block

Support DC dual power supply redundancy

Overload current protect: 4.0A

Consumption

No-load consumption: 8.79W@24VDC

Full-load consumption: 10.49W@24VDC

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

Size (W×H×D): 160mm×70mm×130mm

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 3

EN61000-4-6 (CS), Level 3

EN61000-4-8, Level 5

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Shake: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Information

IES3016-6F (M): 10 port 10/100Baes-T(X) + 6 port 100Base-FX Multi-mode, 12-48VDC

IES3016-6F (S): 10 port 10/100Baes-T(X) + 6 port 100Base-FX Single-mode, 12-48VDC

IES3016-6F (SS): 10 port 10/100Baes-T(X) + 6 port 100Base-FX single-mode, single fiber SC/ST/FC, 12-48VDC

Packing List

1. Industrial Ethernet switch IES3016-6F (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1