

# IT-ES3016-IU-8F

**8-ports 10/100M Ethernet + 8-ports 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 8K MAC address
- Support 12.8Gbps backboard bandwidth
- Support redundancy power supply(12~48VDC)
- Support 1 channel relay alarm output
- Operating temperature range from -40 to 75°C
- Designed without fan
- DIN rail mounted
- Metal shell, IP30 protection class



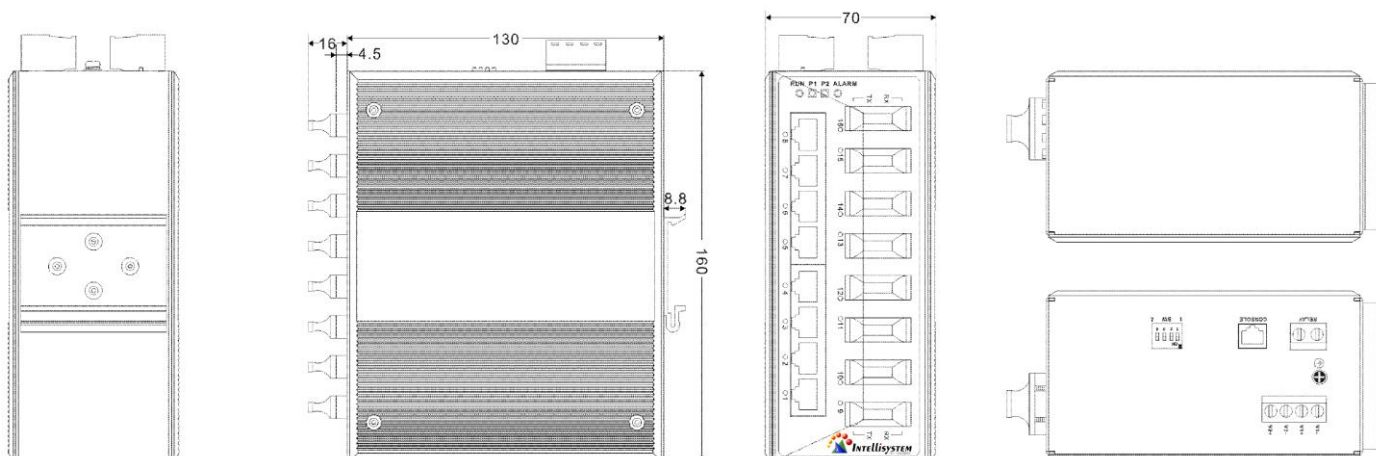
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## Introduction

IT-ES3016-IU-8F (12/48VDC) is unmanaged Industrial Ethernet switch with high performance, high cost-effective, it provided 8 ports 10Base-T/100Base-TX Ethernet + 8 ports 100Base-FX (FC/SC/ST). Product accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 redundant power input and 1 channel relay

alarm output, and -40~75°C working temperature, can meet all kinds of Industrial environment requirement. It can use in power, water conservancy, transportation area etc.

## Dimensions

**Unit (mm)**


## Specifications

### Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE 802.3x,  
Flow control: IEEE802.3x flow control, back press flow control

### Exchange attributes

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

### Interfaces

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: Retain  
Alarm port: 2 bit terminal block  
1 channel relay alarm output

### 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 indicators

Run indicator: Run  
Interface indicator: Link (1~16)  
Power supply indicator: P1, P2  
Alarm indicator: Alarm

### Power supply

Input Voltage: 24VDC (12~48VDC)  
Input method: 4 bits 7.62mm terminal block  
Support DC dual power supply redundancy  
Overload current protect: 1.2A

### Consumption

No-load consumption: 10.18W @24VDC  
Full-load consumption: 12.26W @24VDC

### Working environment

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

### Mechanical Structure

Shell: IP30 protect grade, metal shell  
Installation: DIN rail and wall mount  
Size (W×H×D): 70mm×160mm×130mm

### Industry Standards

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  
Vibration: IEC 60068-2-6

### Certifications

CE, FCC, RoHS, PAL, UL508 (Pending)

**Warranty:** 5 years

## Ordering Informations

**IT-ES3016-IU-8F (M):** 8 ports 10/100Base-T(X) + 8 ports 100Base-FX Multi-mode SC/ST/FC, 12-48VDC

**IT-ES3016-IU-8F (S):** 8 ports 10/100Base-T(X) + 8 ports 100Base-FX Single-mode SC/ST/FC, 12-48VDC

**IT-ES3016-IU-8F (SS):** 8 ports 10/100Base-T(X) + 8 ports 100Base-FX single-mode, single fiber SC/ST/FC, 12-48VDC

## Packing List

1. Ethernet switch IT-ES3016-IU-8F (plus terminal block) x1
2. User manual x1
3. Certificate of quality x1
4. Warranty card x1