

# IES215-1F

## 4-Port 10/100Base-T(X) + 1-Port 100Base-FX

### Unmanaged Industrial Ethernet Switch

#### Features

- Support 4 port 10Base-T/100Base-TX RJ45 and 1 port 100Base-FX (SC/FC/ST)
- Support IEEE802.3/802.3u/802.3x, store and forward
- Support Ethernet 10/100M self-adaption
- 100~240VAC wide voltage power supply input
- No fan, low consumption design
- IP40 protection, high strength metal shell, DIN rail mount
- 40~75°C working temperature



#### Introduction

IES215-1F is a type of unmanaged industrial Ethernet switch with 4 port 10Base-T/100Base-TX Ethernet RJ45 and 1 port 100Base-FX (SC/FC/ST optional), supports IEEE802.3, IEEE802.3u, IEEE802.3x standard, can provide economical solution for your network connection. IP40 grade protection ensures reliable work in terrible environment. LED indicator is helpful to monitor and control the status of network connection. It complies with FCC, CE standard. DIN-rail installation and wide operating temperature (-40~75°C), can satisfied some kinds of industrial environment, can provide reliable and quickly solution for your Ethernet device.

#### Specification

##### Technology

Standard: 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: 1.6Gbps  
MAC address table: 2K

##### Interface

RJ45 port: 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect  
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, 2Km  
Single-mode: 1310nm, 20/40/60Km  
1550nm, 80/100/120Km

##### LED indicator

Interface indicator: Link (1~5)  
Power supply indicator: PWR

##### Power supply

Input Voltage: 220VAC (100~240VAC)  
Type of input: 3 bits 7.62mm terminal block

##### DIP Switch

NO.1: Flow Control      NO.2: Force RJ45 to 10M

##### Consumption

No-load consumption: 1.6W@220VAC  
Full-load consumption: 3.3W@220VAC

##### Working environment

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

##### Mechanical Structure

Shell: IP40, high strength iron shell.  
Installation: DIN-Rail  
Dimension (W×H×D): 35mm × 110 mm × 95mm  
Weight: 350g

##### Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A  
EMS: EN61000-4-2 (ESD), Level 3  
EN61000-4-4 (EFT), Level 3  
EN61000-4-5 (Surge), Level 3

Shock: IEC 60068-2-27  
Free fall: IEC 60068-2-32  
Vibration: IEC 60068-2-6

##### Warranty

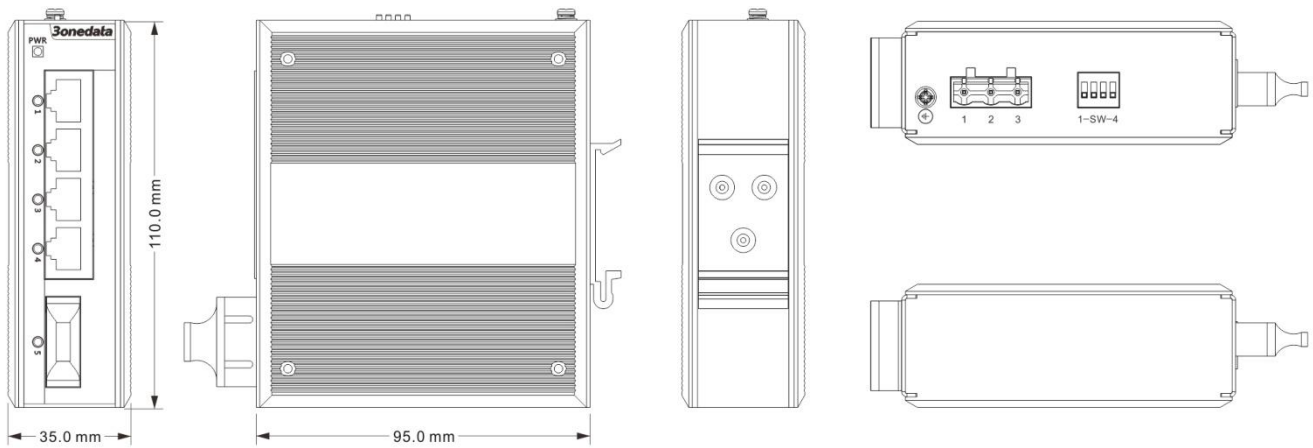
Warranty time: 5 years

##### Certification

CE, FCC, RoHS, UL508 (Pending)

## Dimension

Unit (mm)



## Ordering Information

IES215-1F (M): 4 port 10/100Base-T(X) + 1 port 100Base-FX Multi-mode SC/ST/FC, 100~240VAC, DIN-Rail mounts

IES215-1F (S): 4 port 10/100Base-T(X) + 1 port 100Base-FX Single-mode SC/ST/FC, 100~240VAC, DIN-Rail mounts

IES215-1F (SS): 4 port 10/100Base-T(X) + 1 port 100Base-FX single-mode, single fiber SC/ST/FC, 100~240VAC, DIN-Rail mounts

## Packing List

1. Industrial Ethernet Switch ×1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1
5. Power cord × 1