

# IES338

## Industrial Ethernet Switch

### 8 10/100 Base-T(X) Ports

#### Features

- ◎ Supports IEEE802.3, IEEE802.3u and IEEE802.3x standard.
- ◎ Supports 8 10/100 Base-T(X) ports.
- ◎ Supports 10/100M adaptive, full/half duplex mode, MDI/MDI-X automatic detection.
- ◎ Supports flow control.
- ◎ Supports broadcast storm suppression.
- ◎ Supports 1552 Bytes data frame storage and forwarding.
- ◎ Supports two compatible AC and DC power input; DC input range 12~48VDC, anti-reverse;  
AC input range 18~30VAC.
- ◎ Power supply supports overload protection.
- ◎ Fanless and efficient cooling design.
- ◎ IP30 shell protection grade, able to withstand the harsh environmental test.
- ◎ Supports DIN rail mounting.
- ◎ Operating temperature range -30°C ~ +75°C, storage temperature range -30°C ~ +85°C.
- ◎ Complies with FCC, CE standards.



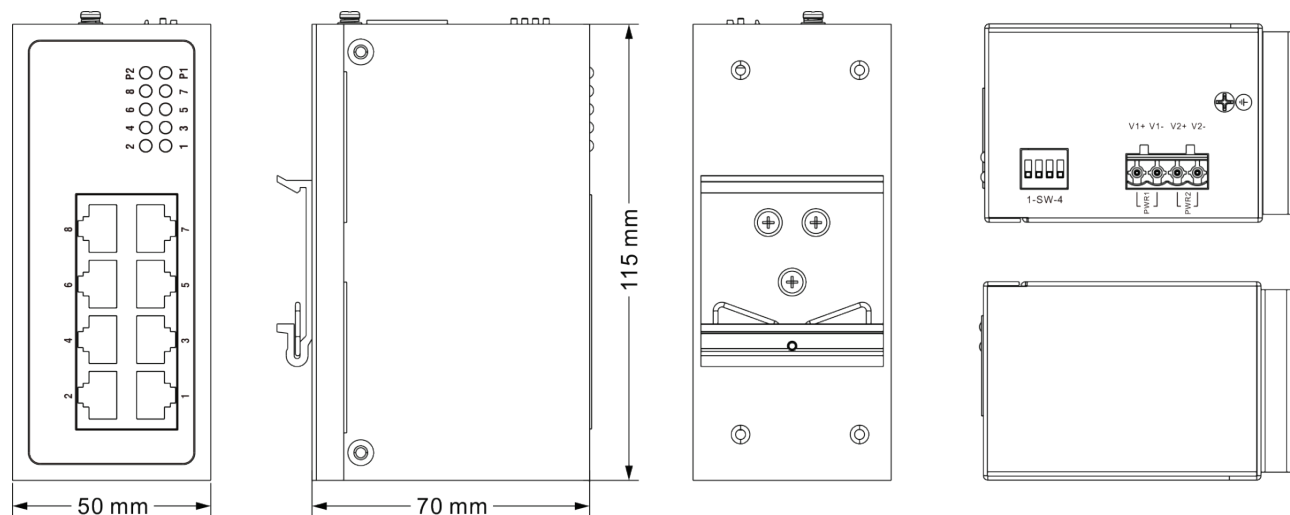
#### Introduction

IES338 is an unmanaged industrial Ethernet switch that supports 8 10/100 Base-T(X), full/half duplex, MDI/MDI-X adaptive Ethernet ports. At the same time, the product supports flow control, broadcast storm suppression and ultra-long packet storage forwarding function to provide an alternative flexible solution for different industrial applications.

IES338 is designed to provide data transfer for networking of industrial field terminal devices. It supports two-way 12~48VDC, 18~30VAC redundant power inputs, which can be simultaneously connected to DC or AC power. At the same time the products meet the FCC, CE standards, it can work in the wide temperature -30~75°C to ensure that it can meet the special needs of industrial automation applications.

#### Dimension

##### Unit (mm)



## Specification

### Technology

Standard: IEEE802.3, IEEE802.3u

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

### Interface

Fast Ethernet RJ45 port: 10/100 Base-T(X) adaptive

### Transfer Distance

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

### Exchange Attributes

Transmit mode: store and forward

100M forward speed: 148810pps

Backplane bandwidth: 1.6G

MAC table size: 2K

Packet buffer size: 1Mbit

### LED Indicator

Power supply indicator: P1/P2

Ethernet port indicator: 1~8 (LINK/ACT)

### Power Supply

Input voltage: 18VAC (18VAC~30VAC) or 12VDC (12VDC~48VDC)

Access terminal: 4-pin 5.08mm pitch terminal block

No-load consumption: 0.78W@12VDC

Full-load consumption: 3.36W@12VDC

No-load consumption: 1.26W@18VAC

Full-load consumption: 5.04W@18VAC

### Mechanical Structure

Shell: IP30 protect grade, metal shell

Installation: DIN-Rail mounting

Weight: 398g

Size (L×W×H): 115mm×70mm×50mm

### Working Environment

Working temperature: -30℃~75℃

Storage temperature: -30℃~85℃

Humidity: 5%~95% (no condensation)

### Industry Standard

EMI:FCC Part 15, CISPR (EN55022) class A

EMS: IEC 61000-4-2 (ESD), Level 2

IEC 61000-4-4 (EFT), Level 3

Shock: IEC 60068-2-27

### Certification

CE, FCC, RoHS, UL508(pending)

### Warranty: 5 years

See the newest products certification information on 3onedata website.

## Ordering Information

Optional model	Port	Power Supply Range
Standard model	10/100 Base-T(X)	12~48VDC or 18~30VAC
IES338	8	