

# IES6116L-P(12/48VDC)

## 16 port 10Base-T/100BaseTX Ethernet Industrial Ethernet switch

### Features

- 1.Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
- 2.SW-Ring™ redundant network patent technology(Faulty recovery time<20ms), Support single, double, single star, double star ring
- 3.Support 8024 MAC address table
- 4.Support WEB configuration, configuration file up and download
- 5.Support MAC address learning, aging automatic
- 6.Support port status display, data update.
- 7.Support IGMP Snooping and static multicast filter
- 8.Support flow statistics
- 9.Support single port and multi-port mirroring, network detection
- 10.Support rate control, Broadcast storm control
- 11.Support 1 channel relay alarm output
- 12.Industrial class 4 design, IP40 protection
- 13.Power supply(12-48VDC), Support over-correct protection,reverse connection protection
- 14.No fan, low consumption design
- 15.0-60°C working temperature



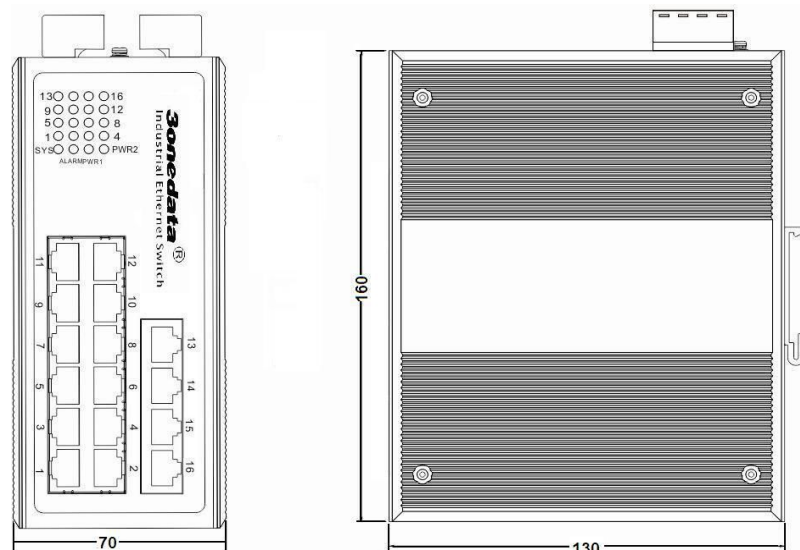
### Introduction

IES6116L-P(12-48VDC) is a high performance and high cost performance Industrial managed Ethernet switches. It provided 16 ports 10Base-T/100BaseTX Ethernet, it adopt SW-Ring redundant technology (Recovery time<20ms), users can set the redundant easily to increase network reliability, furthermore, it can also support numerous intelligent network management functions, like as IGMP,

RSTP, 802.1Q VLAN, QOS, port trunking and port mirroring etc, It adopted no fan, low power consumption design, IP40, corrugate high strength iron shell, the performance is more steadily. It accorded with CE, FCC standard and Industrial 4 grades, DIN rail installation and wide operating temperature (0~60C), it can satisfied some kinds of industrial environment, it can provide reliable and quickly solution for your Ethernet device.

### Dimension and appearance

Unit (mm)





## Specification

### Technology

Standard: IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W

Protocol: ARP, ICMP, TCP, UDP, DHCP, DNS, HTTP, Telnet, SW-RingTM

Flow control: IEEE802.3x, back pressure control

### Function

Function: SW-RingTM, QOS, 802.1Q VLAN, port-trunking, static multicast filter, port mirroring, Broadcast storm control, flow statistics, upgrade online, up and download configuration file, user name access system.

SW-RingTM: Support single, double, single star, double star ring, Dual homing.

### Interface

10/100M Ethernet port: 10Base-T/100Base-TX self-adapt RJ45 port, half/full duplex, force working mode, support MDI/MDI-X self-adapt

Console port: Procedure debug (RS-232), RJ45

Alarm port: 2 bit 7.62mm terminal block,  
1 channel relay alarm output

### Exchange attribute:

100M transmit speed: 148810pps

Transfer: Store and forward

System exchange bandwidth: 3.2 G

Buffer memory: 256Kbits

Support 8024 MAC address table

### LED indicator

Power supply indicator: PWR1, PWR2

Alarm indicator: ALARM

Running state indicator: SYS

Port connection/running state: Link/Act (1~16)

### Power supply

Input voltage: 24VDC (12~48VDC)

Terminal block: 4 bits 7.62mm terminal block

No load consumption: 3.4W@24VDC

Full load consumption: 6.3W@24VDC

### Mechanical

Shell: IP40, high strength iron shell.

Installation: DIN Rail

Dimension (W×H×D) :160 mm×70mm×130mm

Weight: 1100g

### Environmental

Operating Temperature: 0 to 60°C

Storage Temperature: -45°C to 85°C

Relative Humidity: 10 to 95% (non-condensing)

### 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 4

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

### Warranty

Warranty time: 5 years

### Certification

CE, FCC, RoHS, UL508(Pending)