IES7116G

16-port 10/100/1000BaseT(x)

Managed Industrial Ethernet Switch

Features

- Support 16-port 10/100/1000Base-T(x)
- SW-Ring ring network patent technology (Fault recovery time<20ms）
- Support RSTP, way exchange time<50ms
- Support static multicast, IGMP Snooping and GMRP
- Support QOS, Port based VLAN and IEEE 802.1Q VLAN
- Support bandwidth management and storm suppression
- Support WEB, SNMP and Telnet configuration
- Support port mirror and port trunking
- Support configuration file upload and download
- Support redundancy 48VDC power supply and 1 channel relay alarm output
- Industrial grade 4 design, -40-75℃ work temperature
- IP40 protection grade, DIN-Rail mounting
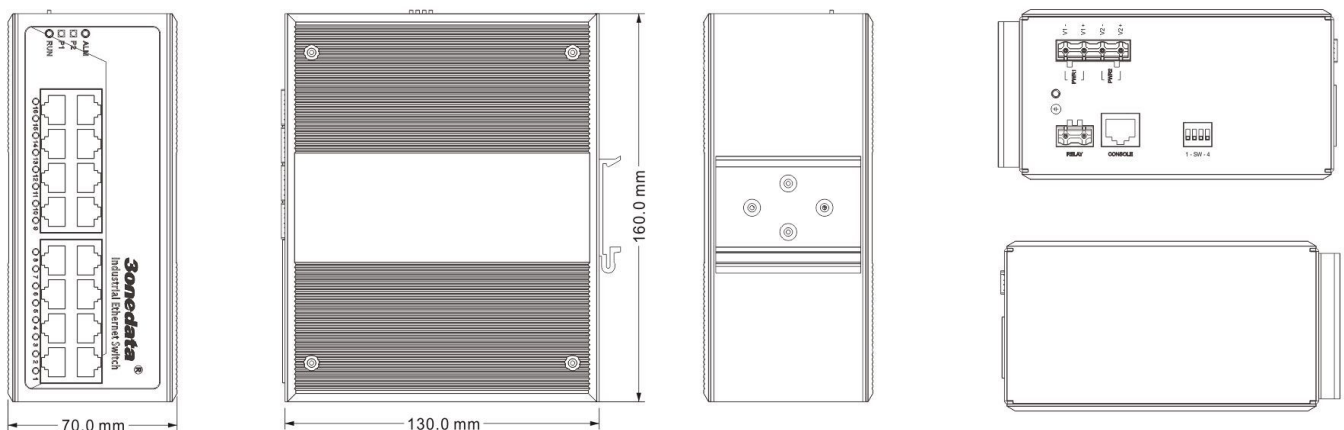
Introduction

IES7116G is an industrial grade, managed and redundancy Ethernet switch which supports 16 Gigabit Ethernet Ports. It provided some kinds of advanced network managed function, like as: SW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. SW-Ring can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input.

Product accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 channel DC power input and 1 channel relay alarm output, and -40～75℃ working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

Dimension

Unit (mm)

Specification

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.1Q, IEEE802.1d, IEEE802.1W/D

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, SNMP

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

Function

Switch function: SW-Ring, QOS, 802.1QVLAN, RSTP, SNMP, Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, upgrade online, up and download configuration file, user name access system

SW-Ring: Support Single, Couple, Chain, Dual homing

Exchange attribute

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

Backplane bandwidth: 56G

MAC table size: 10K

Buffer size: 12M

Interface

Gigabit RJ45 port: 10Base-T/100Base-TX/1000Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect

Console port: debug serial port carry out CLI command

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

Transfer distance

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

LED indicator

Run indicator: RUN

Interface indicator: Link (G1~G16)

Power supply indicator: P1, P2

Alarm indicator: ALARM

Power supply

Input Voltage: 48VDC

Type of input: 4 bits terminal block

support reverse connection

support redundant power supply

Consumption

No-load consumption: 11.04W@48VDC

Full-load consumption: 12.88W@48VDC

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP40 protection, metal shell

Installation: DIN-Rail mounting

Weight: 1080g

Size (W×H×D): 70mm×160mm×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 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

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Packing List

1. Industrial Ethernet Switch ×1

2. User manual × 1

3. CD × 1

4. Certificate of quality × 1

5. Warranty card × 1