

IES7116G

16-Port 10/100/1000Base-T(X)

Full Gigabit Managed Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1W/D, IEEE802.1s, IEEE802.3ad, IEEE802.1X
- Support 8 10/100/1000Base-T(X) RJ45 Ethernet ports and 4 Gigabit SFP slots
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support STP/RSTP/MSTP to enhance network stability
- Support IEEE802.1X, HTTPS, and SSH to enhance network security
- Support ACL function to enhance flexibility and security of network management
- Support static multicast, IGMP Snooping and GMRP
- Support Port based VLAN and IEEE 802.1Q VLAN
- Support QoS absolutely and opposite priority
- Support bandwidth management and storm suppression
- Support WEB, SNMP, LLDP and Telnet configuration
- Support port mirror and port trunking
- Support configuration file up and download
- Support redundancy DC power supply(12-48VDC)
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-75°C 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, STP/RSTP/MSTP, VLAN, Trunking, 802.1X, SNMP, LLDP, SSH, 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.

The switch 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°C working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1W/D, IEEE802.1s, IEEE802.3ad, IEEE802.1X

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, MSTP, LLDP, SSH, LACP, ACL, IGMP, GMRP, SNMP

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

Function

Switch function: SW-Ring, QOS, 802.1QVLAN, RSTP,

MSTP, LLDP, LACP, ACL, ROMN, GMRP, IGMP

Snooping, 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

System exchange bandwidth: 56Gbps

MAC address table: 16K

Memory: 12Mbit

Interface

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

Console port: RS-232 (RJ45 connector)

Alarm port: 2 bit terminal block

1 channel relay alarm output

Current load capacity 1A@24VDC

Transfer distance

Twisted cable: 100M (standard CAT5e/CAT6 cable)

LED indicator

Run indicator: RUN

Power supply indicator: P1, P2

Alarm indicator: ALM

Interface indicator: Link (1~16)

Power supply

Input Voltage: 12~48VDC

Type of input: 4 bits terminal block

DC support reverse connection

DC support redundant power supply

Consumption

No-load consumption: 9.77W@24VDC

Full-load consumption: 12.55W@24VDC

Working environment

Working temperature: -40~75°C

Storage temperature: -40~85°C

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

Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail mounting

Weight: 1.03kg

Size (W×H×D): 70mm×160mm×130mm

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

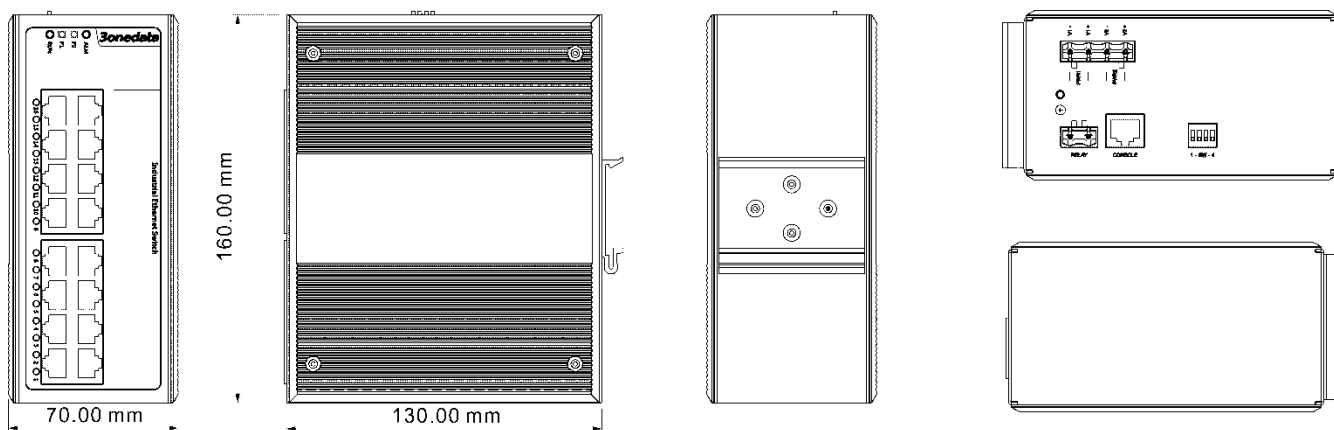
Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Dimension (Unit: mm)



Packing List

1. Industrial Ethernet Switch (plus terminal block) x 1
2. User manual x 1
3. Documentation and software CD x 1
4. Certificate of quality x 1
5. Warranty card x 1
6. DIN-Rail mounting kit x 1
7. Power cable x 1