Industrial Ethernet Switch IES1028-4GS

◆ 24-port 10/100M Ethernet + 4-port Gigabit SFP Managed

➢ Features

- Support 24-port 10/100Base-TX+4-port Gigabit SFP
- Support status display with front and back sides indicator lights;
- Support static multicast filtering , IGMP Snooping;;
- Supports broadcast storm suppression and port rate control;
- Support MW-Ring patent redundance technique (failure recovery time <20ms);
- Support isolated power supply, optional dual redundant power supply;
- Support power off, fiber off, storm and other status relay alarm output;
- Support managed function such as VLAN, QoS, Trunking and port mirroring;
- Wide temperature range design ,fanless thermal design;
- Satisfy harsh industrial environment.
- Conform to IEC61850 and IEEE1613 industrial standards

➢ Introduction

IES1028-4GS is an industrial grade, managed and redundancy Ethernet switch which supports 24-port 10/100M Ethernet + 4-port Gigabit SFP. It provided some kinds of advanced network managed function, like as: MW-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. MW-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 complies with FCC and CE standards, in line with the industrial design requirements, for intelligent substation construction provides high-performance, high-quality products guaranteed. Support 1 channel power inputs and 1 relay alarm output, wide temperature range of -40~75℃ to be able to meet the requirements of all kinds of industrial field, can be widely used in electric power, water conservancy, transportation, and other fields.

➢ Application Industries

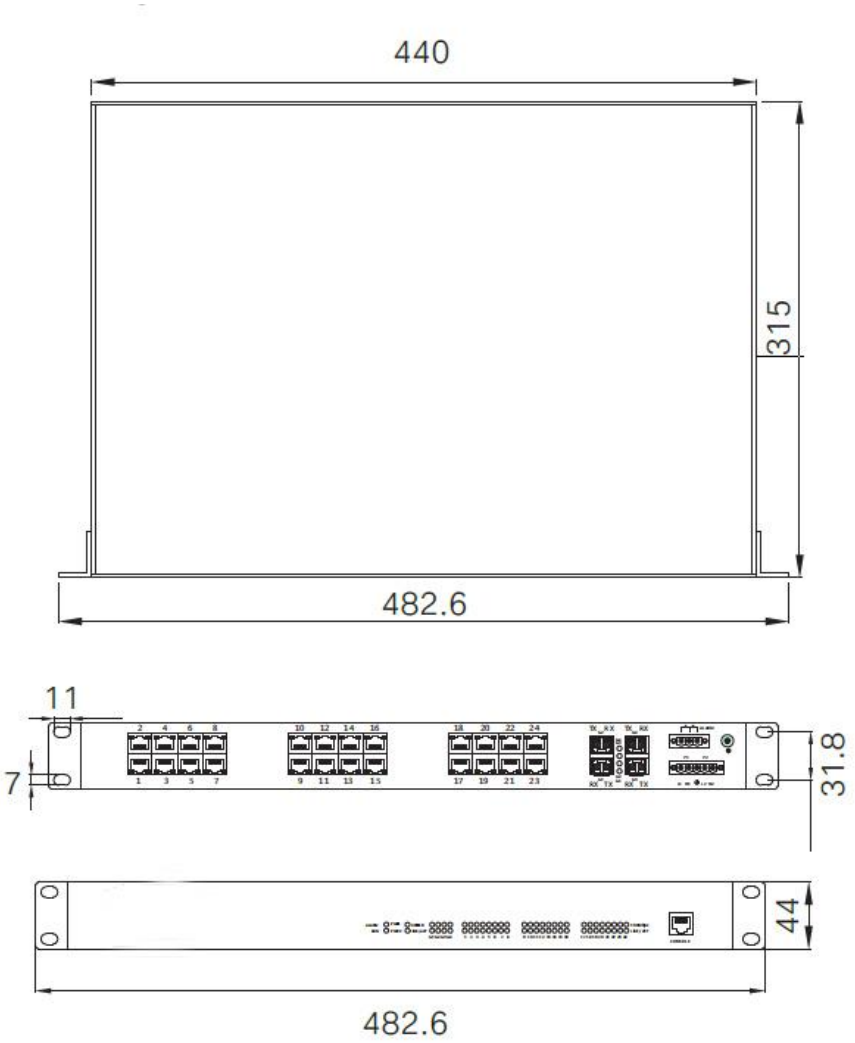
- HD monitor transmission and power supply
- Wireless AP layout transmission and power supply
- Network telephone transmission , intelligent house and home system
- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com project

➢ Specification

Technology	
Standard	Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W,
Redundancy Protocols	ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, MW-Ring, RSTP, SNMP
Flow control	IEEE802.3x flow control, back press flow control
Multicast	Support IGMP v1/v2,IGMP snooping,GMRP,Static Multicast
Switch function	Support VLAN,GVRP,Trunking,Flow control,Rate limitation
MW-Ring	Support Single, Couple, Chain, Dual homing
Management	Support the Console, the WEB management. Support SNMP v1/v2 Support unified upper computer management
Switch Delay	＜5μs
Switch Bandwidth	12.8Gbps
MAC Table Size	32K
Priority Queues	8
VLAN Numbe	4096
IGMP Groups	1K
Interface	
Electric port:	10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect
1000M optic fiber port	1000Base-FX,LC connector
Console port	debug serial port carry out CLI command
Alarm port	2 bit terminal block,1 channel relay alarm output
Transfer distance	
Twisted cable	100M (standard CAT5/CAT5e cable)
Multi-mode	1310nm, 2/5Km
Single-mode	1310nm, 20/40/60Km,1550nm, 80/100/120Km
Power supply	
Input Voltage	AC/DC220V（85-264VAC/110-370VDC）
Type of input	3 bits terminal block
Power Consumption	＜25w（MAX）
Working environment	
Working temperature	-40～75℃
Storage temperature	-40～85℃
Relative Humidity	5%~95 %(no condensation)
Mechanical Structure	
Shell	IP40 protection,aluminium alloy shell
Installation	19” 1U rack
Size (W×H×D)	482mm×315mm×44mm
Weight	3kg
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, IEC61850, IEEE1613, UL508 (Pending)
Warranty	3 years

➢ Dimension



➢ Ordering Information

Model NO.	Description
IES1028-4GS	24-port 10/100Baes-T(X) + 4-port gigabit (SFP slot), AC/DC220V
IES1028-4F-4GS	20-port 10/100Baes-T(X) +4- port 100Base-FX + 4-port gigabit (SFP slot), AC/DC220V
IES1028-8F-4GS	16-port 10/100Baes-T(X) +8- port 100Base-FX + 4-port gigabit (SFP slot), AC/DC220V
IES1028-12F-4GS	12-port 10/100Baes-T(X) +12- port 100Base-FX + 4-port gigabit (SFP slot), AC/DC220V
IES1028-16F-4GS	8-port 10/100Baes-T(X) +16- port 100Base-FX + 4-port gigabit (SFP slot), AC/DC220V
IES1028-24F-4GS	24- port 100Base-FX + 4-port gigabit (SFP slot), AC/DC220V

➢ Packing List

- Industrial Ethernet Switch ×1
- User manual x 1
- Certificate of quality x 1
- Warranty card x 1