

24-port 10/100M Ethernet + 4-port Gigabit SFP, Rack-mount, Unmanaged

Features

- Support 24-port 10/100M Base-T(X) + 4-port Gigabit SFP;
- Plug-and-play, no configuration is required;
- Support relay alarm output;
- Support indicator status display;
- Support IP40 protection, aluminum alloy shell, fanless design;
- Support Broadcast storm suppression;
- Support dual AC/DC 220V power supply;
- Support SC/ST/FC connector Optional;
- Power supply input support anti-reverse protection;
- Support over Voltage, over current, EMC protection;
- Support -40-75°C wide operating temperature range;
- 1U, 19-inch Rack-mount Installation;
- Warranty:5years



Introduction

IES2028-4GS is a rugged industrial grade, Din-Rail, layer2, Unmanaged Ethernet switch which supports 24-port 10/100M Base-T(X) + 4-port Gigabit SFP. Plug and play, easy to install, no configuration is required, can be operated at wide temperatures range from -40 to 75°C. two independent power circuits ensure the normal operation of the device when one power supply is faulty.

IES2028-4GS adopts standard Industrial design, IP40 protection, aluminum alloy shell, support Din-rail or wall installation, fanless design, support EMC level 4 protection, dual power AC/DC220V optional, can meet the requirement of various Industrial automation, Data Center Network, Intelligent Transportation System, Electric Power Industry, and new energy, etc.

Application

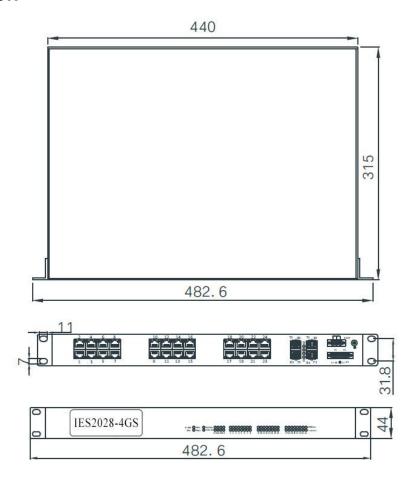
- Intelligent Transportation System
- Industrial Automation
- Security Surveillance
- New Energy and Utilities
- Data Center Network
- Electric Power Industry
- Oil&Gas
- Smart City

> Specification

Specification 28-port Rack-mount Unmanaged layer 2 Industrial Ethernet switch Product Model IES2028-4GS Port Definition 24-port 10/100M RU45 + 4-port Gigabit SFP 100M Fiber port SC/FC/ST connector Optional 1000M Fiber port SFP optical port, LC interface Terminal block for power input 7.62mm terminal block Terminal block for relay alarm 5.08mm terminal block, 1A@24VDC IEEE802.3x Flow Controll Switch capability MAC Table Size 8K Backplane bandwidth 12.8Gbps Switch Delay <5jus Communication distance Twisted-pair 100m(CAT5/CAT5e cable) Multi-mode fiber 100M multi-mode: 1310nm 2km Single mode fiber 100M single mode: 1310nm 2km Single mode fiber 100M single mode: 1310nm 2km Forti panel LED lights Fort Inglit: LINK/ACT;SPEED; System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM Pad5 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT; SPEED <t< th=""><th>-</th><th></th></t<>	-	
Product Model IES2028-4GS Port Definition 24-port 10/100M RJ45 + 4-port Gigabit SFP 100M Fiber port SC/FC/ST connector Optional 1000M Fiber port SFP optical port, LC interface Terminal block for power input 7.62mm terminal block Terminal block for relay alarm 5.08mm terminal block, 1A@24VDC IEEE802.3i-10BaseT, IEEE802.3u-100BaseTX/100BaseFX, IEEE802.3i-10BaseT, IEEE802.3u-100BaseTX/100BaseFX, IEEE802.3i-10BaseT, IEEE802.3u-100BaseFX, IEEE802.3i-10BaseT, IEEE802.3u-100BaseFX, IEEE802.3i-10BaseT, IEEE802.3u-100BaseFX/ IEEE802.3i-10BaseT, IEEE802.3u-10BaseFX/ IEEE802.3i-10BaseT, IEEE802.3u-100BaseFX/ IEEE802.3i-10BaseT, IEEE802.3u-100BaseFX/ IEEE802.3i-10BaseT, IEEE802.3u-10BaseFX/ IEEE802.3i-10BaseT, IEEE802.3u-10BaseFX/ IEEE802.3u-1	Specification	
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100M Fiber port SC/FC/ST connector Optional 1000M Fiber port SFP optical port, LC interface Terminal block for power input 7.62mm terminal block Terminal block for relay alarm 5.08mm terminal block, 1A@24VDC IEEE802.3i-108aseT, IEEE802.3u-1008aseTX/1008aseFX, IEEE802.3x/Flow Control) Switch capability MAC Table Size 8K Backplane bandwidth 12.8Gbps Switch Delay <5µs Communication distance Twisted-pair 100m(CAT5/CAT5e cable) Multi-mode fiber 100M multi-mode: 1310nm 2km Single mode fiber 100M single mode: 1310nm 20km; 1550nm 40/60/80/100/120km Front panel LED lights Port light: LINK/ACT; SPEED; System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption 440W Overload protection support Redundancy protection support Redundancy protection support Working Environment Operating Temperature 40°C°C75°C	Product Model	IES2028-4GS
Terminal block for power input T.62mm terminal block Terminal block for relay alarm T.62mm terminal block Terminal block for relay alarm T.62mm terminal block Terminal block for relay alarm T.62mm terminal block T.62mm terminal	Port Definition	24-port 10/100M RJ45 + 4-port Gigabit SFP
Terminal block for power input Terminal block for relay alarm Protocol Standard EEE802.3i-10BaseT, IEEE802.3u-100BaseTX/100BaseFX, IEEE802.3x(Flow Control) Switch capability MAC Table Size 8K Backplane bandwidth 12.8Gbps Switch Delay 5,µs Communication distance Twisted-pair 100m(CAT5/CAT5e cable) Multi-mode fiber 100M multi-mode: 1310nm 2km Single mode fiber 100M single mode: 1310nm 2km Single mode fiber 100M single mode: 1310nm 2km System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RIA5 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Input power Dual power AC/DC220V Full-load consumption Support Redundancy protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	100M Fiber port	SC/FC/ST connector Optional
Terminal block for relay alarm S.08mm terminal block, 1A@24VDC	1000M Fiber port	SFP optical port, LC interface
IEEE802.3i-10BaseT, IEEE802.3u-100BaseTX/100BaseFX, IEEE802.3u-100BaseTX/100BaseTX/100BaseFX, IEEE802.3u-100BaseTX/100BaseTX/100BaseTX/100BaseFX, IEEE802.3u-100BaseTX/1	Terminal block for power input	7.62mm terminal block
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Multi-mode fiber 100M multi-mode: 1310nm 2km Single mode fiber 100M single mode: 1310nm 20km; 1550nm 40/60/80/100/120km LED indicator lights Port light: LINK/ACT;SPEED; System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Redundancy protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Communication distance	
Single mode fiber 100M single mode: 1310nm 20km; 1550nm 40/60/80/100/120km LED indicator lights Port light: LINK/ACT;SPEED; System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Twisted-pair	100m(CAT5/CAT5e cable)
LED indicator lights Port light: LINK/ACT;SPEED; System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM Back panel LED lights R145 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W	Multi-mode fiber	100M multi-mode: 1310nm 2km
Port light: LINK/ACT;SPEED; System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption Overload protection support Inversed protection Redundancy protection Working Environment Operating Temperature Power light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Support Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Full-load consumption Support 40W Overload protection Support Operating Temperature Port light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/A	Single mode fiber	100M single mode: 1310nm 20km; 1550nm 40/60/80/100/120km
Front panel LED lights System work light: RUN Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	LED indicator lights	
Front panel LED lights Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption Verload protection support Inversed protection Redundancy protection Working Environment Operating Temperature Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Full-load Corion support Support Verload protection Support Vorking Environment Operating Temperature -40°C~75°C		Port light: LINK/ACT;SPEED;
Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection Working Environment Operating Temperature Power status light: PWR1; PWR2 Alarm light: ALARM RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Full-load consumption support 40W Overload protection support -40°C~75°C	Eront nanol LED lights	System work light: RUN
RJ45 Port indicator light: LINK/ACT; SPEED Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Front panel LED lights	Power status light: PWR1; PWR2
Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C		Alarm light: ALARM
Fiber indicator light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Back panel LED lights	RJ45 Port indicator light: LINK/ACT; SPEED
Input power Dual power AC/DC220V Full-load consumption <40W Overload protection support support Redundancy protection support Working Environment Operating Temperature -40°C~75°C 		Fiber indicator light: LINK/ACT
Full-load consumption <40W Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Power	
Overload protection support Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Input power	Dual power AC/DC220V
Inversed protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Full-load consumption	<40W
Redundancy protection support Working Environment Operating Temperature -40°C~75°C	Overload protection	support
Working Environment Operating Temperature -40°C~75°C	Inversed protection	support
Operating Temperature -40°C~75°C	Redundancy protection	support
	Working Environment	
Storage temperature -40°C~85°C	Operating Temperature	-40°C~75°C
	Storage temperature	-40°C~85°C

Ambient Humidity	5%~95% (non-condensing)	
Physical Characteristics		
Shell	IP40 protection, aluminum alloy shell	
Installation	Standard 19-inch rack mounting	
Dimension	482.6mm*44mm*315mm	
Industry standard		
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5	
Impact	IEC60068-2-27	
Falling	IEC60068-2-32	
Shock	IEC60068-2-6	
Warranty		
Warranty	5 Years	
Certification	CE, FCC, RoHS	

Dimension



Connection



Ordering Information

Model NO.	Description
IES2028-4GF	24-port 10/100M Base-T(X) + 4-port Gigabit SFP, Rack-mount, Unmanaged, Dual AC/DC220V
IES2028-4F-4GF	20-port 10/100M Base-T(X)+4-port 100M FX + 4-port Gigabit SFP, Unmanaged, Dual AC/DC220V
IES2028-8F-4GF	16-port 10/100M Base-T(X)+8-port 100M FX + 4-port Gigabit SFP, Unmanaged, Dual AC/DC220V
IES2028-12F-4GF	12-port 10/100M Base-T(X)+12-port 100M FX + 4-port Gigabit SFP, Unmanaged, Dual AC/DC220V
IES2028-16F-4GF	8-port 10/100M Base-T(X)+16-port 100M FX + 4-port Gigabit SFP, Unmanaged, Dual AC/DC220V
IES2028-24F-4GF	24-port 100M FX + 4-port Gigabit SFP, Unmanaged, Dual AC/DC220V

Packing List

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