

16-port 10/100/1000M Ethernet + 4-port Gigabit SFP, Rack-mount, Managed

> Features

- Support 16-port 10/100/1000M RJ45 + 4-port Gigabit SFP;
- Support static multicast filtering, IGMP Snooping;
- Support MW-Ring redundancy technique (failure recovery time <20ms);
- Support STP/RSTP/MSTP;
- Support managed function such as VLAN, QoS, Trunking, and port mirroring;
- Support CLI, WEB, Telnet, SNMP management;
- Support firmware upgrade online;
- 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;
- Power supply input support anti-reverse protection and non-polarity;
- Support over Voltage, over current, EMC protection;
- Support wide operating temperature range from -40-75°C;
- 1U, 19-inch Rack-mount Installation;
- Warranty:5years

> Introduction

IES1020G-16G-4GS is a rugged industrial grade, Rack-mount, layer2, Managed Ethernet switch which supports 16-port 10/100/1000M RJ45 + 4-port Gigabit SFP. It provided some kinds of advanced network managed function, such as: MW-Ring redundancy technology (failure recovery time<20ms), VLAN, multicast, Quality of Service, Speed control, port mirroring, fault alarm and firmware remote update, also support CLI, WEB, Telnet, SNMP management, provide a user-friendly web console interface for easy configuration.

UPCOM IES1020G-16G-4GS adopts standard Industrial design, IP40 protection, aluminum alloy shell, support 1U, 19-inch Rack-mount installation, fanless design, EMC level 4 protection, dual power AC/DC220V, can satisfied the requirement of various industrial applications such as Intelligent Transportation System, Security Surveillance, Industrial Automation, Smart Grid, Rail Transportation Industry, Safely City, and New Energy, etc.

Application

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



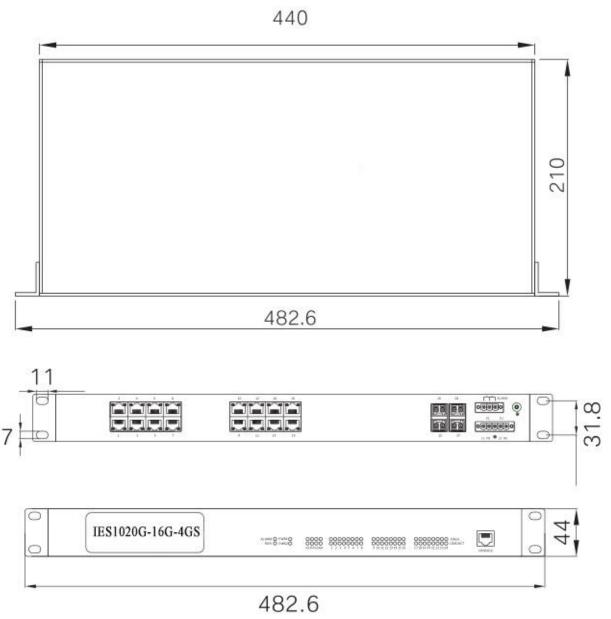
> Specification

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Specification	
Product Name	20-port Full Gigabit Rack-mount Managed layer2 Industrial Ethernet switch
Product Model	IES1020G-16G-4GS
Port Definition	16-port 10/100/1000M RJ45 + 4-port Gigabit SFP + 1 Console port
Gigabit Fiber	SFP optical port, LC connector
Console port	RS232/RJ45
Terminal block for power input	5-pin 5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block, 1A@24VDC
Software Function	
Switch Properties	Support port Rate limit, flow control
	Support port aggregation
	Support IEEE 802.1Q VLAN and broadcast storm suppression
Redundancy protocol	Support MW-Ring redundancy and the recovery time<20ms
	Support STP/RSTP
Multicast	Support IGMP v1/v2, IGMP Snooping
	Support GMRP and Support static multicast filtering
Security	Support IEEE 802.1x,HTTP,RADIUS,user grading and MAC address binding
S	Supports SP and WRR queuing
Service quality management	Support QoS setting
IP address management	Support DHCP server
	Support Console and Web management
	Support SNMPv1/v2c
Management and maintenance	Support unified PC software management
	Support software updating
	Support the IP/MAC address conflict alarm
	Support power off, power alarm, port alarm
	Support port mirroring
	Support log viewing
	Support Link-check and NTP
	Support accept and transfer frame statistics
Ethernet Standard	IEEE802.3-10BaseT, IEEE802.3u-100BaseTX/100Base-FX
	IEEE802.3x-Flow Control, IEEE802.1D-Spanning Tree Protocol
	IEEE802.1w-Rapid Spanning Tree Protocol
	IEEE802.1Q -VLAN Tagging
	IEEE802.1p -Class of Service
	IEEE802.1X-Port Based Network Access Control

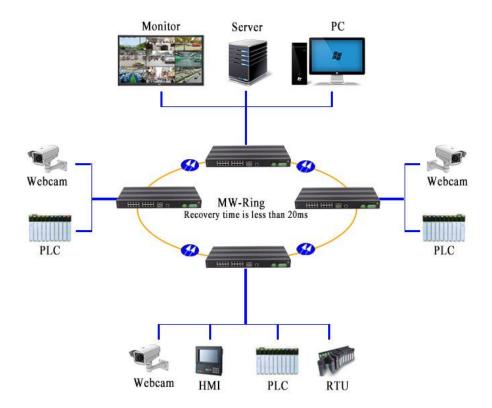
Priority Queues 8 VLAN Number 4096 IGMP Groups 512 MAC Table Size 16K Backplane bandwidth 40Gbps Switch Delay <5µs Communication distance Twisted-pair 100m(CAT5/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm zkm Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km Front panel LED lights Power LED: PWR1/PWR2 Alarm light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM Back panel LED lights Fiber light: LINK/ACT; SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Inversed protection support Redundancy protection support Surger Emperature 40°C~75°C Ambient Humidity 5%~95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EMC ENSIO00-4-4(ESD), Level 4 ENSIO00-4-3(RS), Level 4 ENSIO00-4-4(EFT), Level 4	Switch capability		
IGMP Groups 512 MAC Table Size 16K Backplane bandwidth 40Gbps Switch Delay <5μs Communication distance Twisted-pair 100m(CATS/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm 2km Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km LED indicator lights Port light: LINK/ACT,SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT,SPEED Fiber light: LINK/ACT,SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting ENG1000-4-2(ESD), Level 4 ENG1000-4-3(RS), Level 4 ENG1000-4-3(RS), Level 4 ENG1000-4-3(RS), Level 4	Priority Queues	8	
MAC Table Size Backplane bandwidth 40Gbps Switch Delay <5μs Communication distance Twisted-pair 100m(CATS/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm 2km Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km LED indicator lights Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM Back panel LED lights R145 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Input power Dual power AC/DC220V Full-load consumption Overload protection support Inversed protection support Working Environment Operating Temperature 4-40°C~85°C Ambient Humidity 5%°95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard ENG1000-4-2(ESD), Level 4 ENG1000-4-3(RS), Level 4	VLAN Number	4096	
Backplane bandwidth 40Gbps Switch Delay <5µs Communication distance Twisted-pair 100m(CATS/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm 2km Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km ELD indicator lights Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM R145 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Inversed protection support Working Environment Operating Temperature 40°C~85°C Ambient Humidity 5%~95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting ENG1000-4-2(ESD), Level 4 ENG1000-4-2(ESD), Level 4 ENG1000-4-3(RS), Level 4	IGMP Groups	512	
Switch Delay <5µS Communication distance Twisted-pair 100m(CAT5/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm 2km Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km LED indicator lights Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM R145 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Inversed protection support Working Environment 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 EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4	MAC Table Size	16K	
Communication distance Twisted-pair 100m(CAT5/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm 2km Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km Front panel LED lights Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Inversed protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Backplane bandwidth	40Gbps	
Twisted-pair 1.00m(CAT5/CAT5e cable) Multi-mode fiber 1.25G multi-mode: 850nm 2km Single mode fiber 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM Back panel LED lights R45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption 515W Overload protection support Inversed protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard ENG1000-4-2(ESD), Level 4 ENG1000-4-3(RS), Level 4	Switch Delay	<5μs	
Multi-mode fiber 1.25G multi-mode: 850nm 2km 1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km LED indicator lights Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption Overload protection support Redundancy protection support Working Environment Operating Temperature -40°C~75°C Storage temperature -40°C~85°C Ambient Humidity Standard 1U,19-inch rack mounting Dimension Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4	Communication distance		
Single mode fiber LED indicator lights Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption Vorrioad protection Inversed protection Support Redundancy protection Support Working Environment Operating Temperature -40°C~85°C Ambient Humidity S**95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4	Twisted-pair	100m(CAT5/CAT5e cable)	
Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM Back panel LED lights RJ45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Input power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4	Multi-mode fiber	1.25G multi-mode: 850nm 2km	
Port light: LINK/ACT;SPEED; Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM Back panel LED lights RJ45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Inversed protection support Redundancy protection Support Working Environment 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 1U,19-inch rack mounting Dimension Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4	Single mode fiber	1.25G single mode: 1310nm 20km; 1550nm 40/60/80/100/120km	
Front panel LED lights Running light: RUN Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT; SPEED Fiber light: LINK/ACT Power Input power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Inversed protection Redundancy protection Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	LED indicator lights		
Front panel LED lights Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT; SPEED Fiber light: LINK/ACT Power Input power Input power Input power Pull-load consumption Verload protection Inversed protection Support Redundancy protection Working Environment Operating Temperature -40°C~75°C Storage temperature -40°C~85°C Ambient Humidity S%~95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Front panel LED lights	Port light: LINK/ACT;SPEED;	
Power LED: PWR1/PWR2 Alarm light: ALARM RJ45 Port light: LINK/ACT;SPEED Fiber light: LINK/ACT Power Input power Input power Dual power AC/DC220V Full-load consumption Overload protection Inversed protection Support Redundancy protection Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4		Running light: RUN	
Back panel LED lights RJ45 Port light: LINK/ACT Fiber light: LINK/ACT Power Input power Input power Dual power AC/DC220V Full-load consumption Overload protection Inversed protection Support Redundancy protection Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4		Power LED: PWR1/PWR2	
Back panel LED lights Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption <15W Overload protection Inversed protection Support Redundancy protection Working Environment 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 1U,19-inch rack mounting Dimension Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4		Alarm light: ALARM	
Fiber light: LINK/ACT Power Input power Dual power AC/DC220V Full-load consumption Overload protection Inversed protection Support Redundancy protection Working Environment 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 1U,19-inch rack mounting Dimension IR42.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Dock named LED lights	RJ45 Port light: LINK/ACT;SPEED	
Input power Dual power AC/DC220V Full-load consumption <15W Overload protection support Redundancy protection Support Working Environment 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 1U,19-inch rack mounting Dimension Jimension LN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-3(RS), Level 4	Back panel LED lights	Fiber light: LINK/ACT	
Full-load consumption <15W Overload protection support Inversed protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Power		
Overload protection support Inversed protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Input power	Dual power AC/DC220V	
Inversed protection support Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Full land as a sure of	4514	
Redundancy protection support Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Full-load consumption	<15W	
Working Environment 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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	·		
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 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection	support	
Storage temperature -40°C~85°C Ambient Humidity 5%~95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection	support support	
Ambient Humidity 5%~95% (non-condensing) Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection	support support	
Physical Characteristics Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment	support support support	
Shell IP40 protection, aluminum alloy shell Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature	support support support -40°C~75°C	
Installation Standard 1U,19-inch rack mounting Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature	support support support -40°C~75°C -40°C~85°C	
Dimension 482.6mm*44mm*210mm Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity	support support support -40°C~75°C -40°C~85°C	
Industry standard EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity Physical Characteristics	support support -40°C~75°C -40°C~85°C 5%~95% (non-condensing)	
EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity Physical Characteristics Shell	support support -40°C~75°C -40°C~85°C 5%~95% (non-condensing) IP40 protection, aluminum alloy shell	
EN61000-4-3(RS), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity Physical Characteristics Shell Installation	support support -40°C~75°C -40°C~85°C 5%~95% (non-condensing) IP40 protection, aluminum alloy shell Standard 1U,19-inch rack mounting	
FMC	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity Physical Characteristics Shell Installation Dimension	support support -40°C~75°C -40°C~85°C 5%~95% (non-condensing) IP40 protection, aluminum alloy shell Standard 1U,19-inch rack mounting	
EIND1UUU-4-4(EF1). Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity Physical Characteristics Shell Installation Dimension	support support -40°C~75°C -40°C~85°C 5%~95% (non-condensing) IP40 protection, aluminum alloy shell Standard 1U,19-inch rack mounting 482.6mm*44mm*210mm EN61000-4-2(ESD), Level 4	
EN61000-4-5(Surge), Level 4	Overload protection Inversed protection Redundancy protection Working Environment Operating Temperature Storage temperature Ambient Humidity Physical Characteristics Shell Installation Dimension Industry standard	support support -40°C~75°C -40°C~85°C 5%~95% (non-condensing) IP40 protection, aluminum alloy shell Standard 1U,19-inch rack mounting 482.6mm*44mm*210mm EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), 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



Packing List

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