

19 port 100/1000M intelligent standard PoE switch



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CE FC RoHS

19 port 100/1000M intelligent standard PoE switch, Adopting high-quality and high-speed network ICs and the most stable PoE chips, this series of PoE switches can provide seamless connection for 10/100/1000M Ethernet. The switches incorporate the latest AI functions, and the ports automatically turn on AI mode in Extend mode. The PoE power supply port can automatically detect and supply power to powered devices that comply with the IEEE802.3af or IEEE802.3at standards. Non PoE devices are not powered by intelligent detection and only transmit data. PoE technology (Power over Ethernet) is the power over Ethernet technology. It means that while transmitting data signals for some IP based terminals (such as IP phones, wireless access APs, network cameras, etc.), it also provides DC power supply technology for this device. These devices receiving DC power supply are called power receiving devices. This product has simple and convenient installation and maintenance methods, as well as rich business features, to help users create a safe and reliable high-performance network. Mainly positioned at the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and residential broadband; It can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, internet cafes, hotels, schools, etc.

Main Features

- 16*10/100M POE ports + 2* 1000M Ethernet Uplink ports +1*1000M SFP Port;
- Comply with IEEE 802.3, IEEE802.3u,IEEE802.3ab, IEEE802.3z standards;
- Ethernet port 10/100M rate auto adaptive;
- PoE port is in Extend mode, and ports 1-16 force 10M to automatically turn on AI mode;
- Supports POE priority, in order from 1 to 16 ports, enabled by default;
- Flow control method: IEEE 802.3x standard is used for full duplex, and Back pressure standard is used for half duplex;
- Zero configuration feature, automatically supplied to adaptive devices;
- Monitor the working status of the panel indicator light and assist in fault analysis;
- It is equipped with a three gear one key intelligent Dip switch, which supports VLAN, Default and Extend modes;
- Support port lightning surge: common mode 4KV (level B) ; Electrostatic ESD: air 8KV, contact 6KV (level B) .

Application Environment

Metro Optical Broadband Network:

Data network operators such as telecommunications, cable TV, and network system integration,etc.

Broadband private network:

Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries.

Multimedia transmission:

Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications.

Real-time monitoring:

Simultaneous transmission of real-time control signals, images and data.

Specifications	
I/O Interface	
Power	AC INPUT (100-240 V)
Ethernet	16 Port 10/100M PoE 2 Port 1000M Ethernet Uplink 1 Port 1000M SFP
Chip Scheme	RTL8367S+RTL8309N
Performance	
Bandwidth	9.2Gbps
Forwarding Rate	6.84Mpps
Packet Buffer	3Mbit
MAC Address	2K
Transfer Mode	Store and forward
Standard	
Network protocol	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE802.3x (Flow control) IEEE 802.3z (Gigabit Ethernet fiber optic standard)
PoE Protocol	IEEE802.3af (15.4W) IEEE802.3at (30W) POE port output voltage: DC 44-57V POE power supply core: 1/2+; 3/6-
Industry Standard	EMS: EN61000-4-2 (ESD)、 IEN61000-4-5 (Surge)
Network Medium	10BASE-T: Cat 3、4、5 UTP(≤100 meter) 100BASE-TX: Cat5 or more UTP (≤100 meter) 1000Base-TX : Cat5 or more UTP/STP(≤100 meter)
Optical Media	Multimode fiber : 50/125、62.5/125、100/140um Single mode fiber : 8/125、8.7/125、9/125、10/125um
Protection	
Certificate	CE/FCC/ROHS

Environment standards	
Environment	Working Temperature: -10~50°C Storage Temperature: -40~70°C Working Humidity : 10%~90%, non-condensing Storage Temperature: 5%~95%, non-condensing
Physical Features	
Dimension	Product Dimension: 320*207*45mm Package Dimension: 370*290*85mm N.W: 1.61KG G.W: 2.14KG
Packing Info	Carton MEAS: 445*310*390mm Packing Qty: 5 set Packing Weight: 11.7KG
Power Voltage	Input Voltage : AC 100-240 V 50-60Hz Power supply: 52V /5.76A
Power	Non POE board power: maximum 6W POE power: maximum 270W
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certification 1 pc, Brackets 1 pair
Functional indication	
Indicators	PWR (Power indication) , Mode (Dial indicator) , 1-19Green (Link&Data) , POE Max (Power display)
PWR	On: Equipment powered on Off: Equipment power off
Mode	On: VLAN Flashing: Extend Off: Default
1-19Green	On: Link connectivity Flashing: Data transmission Off: Link abnormality
1-16Yellow (POE)	On: POE power supply is normal Off: POE not powered
POE Max (Green)	Off: Indicates that PoE power usage is less than 90% Flashing: Indicates PoE power usage of 90% ≤ P ≤ 95% On: Indicates PoE power usage of 95% < P < 100%
POE LED button	Dual color light selection: default green (link data), switch yellow light (POE)

Ordering Info	
HR900-AF-1621GS-300	19 port 100/1000M intelligent standard PoE switch

Front Panel

Port Indicator
DIP&Indicator
 16* 100M RJ45 Port (PoE)
Power Indicator
 2* Gigabit Uplink Port
 1* Gigabit SFP Port

PWR
Lighting: Powered
Un-Light: NoPower

1-19 Link&ACT
Lighting: Connecting
Un-Light: Disconnect
Flashing: Data Transmit

Mode
On: VLAN
Off: Default
Flashing: Extend

Application

