

6-Port Gigabit AI PoE Switch



【Introduction】

6-Port Gigabit PoE switch, using high-quality high-speed network IC and the most stable PoE chip, The PoE port meets the 802.3af or 802.3at standard. This series of PoE switches can provide seamless connection for 10/100/1000M Ethernet, and the PoE power supply port can automatically detect and supply power to powered devices that comply with IEEE802.3af or IEEE802.3at standards, and non-PoE devices intelligently detect no power supply, only data is transferred.

【Main Features】

- 4*10/100/1000M POE Ports + 1*1000M RJ45 Port+1*1000M SFP Portt
- Comply with IEEE 802.3, IEEE 802.3u,IEEE802.3ab standards
- Ethernet port 10/100/1000M rate auto adaptive
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard



- Support Port Auto-flip (Auto MDI/MDIX)
- Panel indicators to monitor working status and help fault analysis
- Support for VLAN mode, AI Watchdog mode and PoE Force Output mode
- Support the PoE port has a priority power supply mechanism. When the remaining power is insufficient, priority is given to ensuring the power supply of the high priority port to avoid equipment overload
- Support ports 1-4 support AI recognition for long distances. When the network cable length is less than 100 meters, the default speed is 100Mbps. When the network cable length is longer than 100 meters, the speed of corresponding port automatically drops to 10Mbps, and the PoE power supply and data transmission distance can be extended to 250 meters.

【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	Input: AC 100-240V, 50/60Hz
Ethernet	4*10/100/1000M PoE Port 1*1000M Uplink RJ45 Port 1* Gigabit SFP Uplink Port 1*Combo Port
Performance	
Switching Capacity	14Gbps
Throughput	10.416Mpps
Packet Buffer	1Mb
MAC Address	4K
Jumbo Frame	9216bytes
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	



Network protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab(1000Base-TX) IEEE802.3z(1000Base-FX) IEEE802.3x (Flow control)
PoE Protocol	IEEE802.3af (15.4W) IEEE802.3at (30W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD), EN61000-4-5 (Surge)
Network Medium	10Base-T : Cat3、4、5 or above UTP($\leq 250m$) 100Base-TX : Cat5 or above UTP($\leq 100m$) 1000Base-TX : Cat5 or above UTP($\leq 100m$)
Optical Media	Multimode fiber : 50/125, 62.5/125, 100/140 μm Single mode fiber: 8/125, 8.7/125, 9/125, 10/125 μm
Protection	
Security Certificate	CE、FCC、RoHS
Environment	
Working Environment	Working Temperature: -10~50°C Storage Temperature: -40~70°C Working Humidity: 10%~90%, non-condensing Storage Temperature: 5%~90%, non-condensing
Indication	
PWR (power supply)	Lighting: Powered Un-Light: No Power Lighting on: Force Output
1-6 Green (Link&Data)	Lighting: Connecting Flashing: Data Transmit Un-Light: Disconnect
DIP Switch	V(Vlan) : Port isolation mode. In this mode, the PoE ports (1-8) of the switch cannot communicate with each other, and can only communicate with the UP-link port. The port AI mode is turned on. F(Force Output) : Force Output mode, ports 5-8 change to forced power supply mode, with a single port power of up to 30W. When the single port power exceeds 30W, the power supply to the port is automatically cut off. After the port overload is relieved, the power supply is automatically restored. D(Watchdog) : AI watchdog mode, 1-8 power supply ports support PoE watchdog function. In case of communication failure on the port, the corresponding port PoE will automatically restart



Mechanical	
Structure Size	Product Dimension : 201*120*45mm N.W: 0.55kg G.W: 0.7kg
Packing Info	Packing Qty: 20units Packing Weight: 18.65KG
Power Voltage	Input Voltage : AC 100-240 V Power supply: 52V1.25A
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certification 1 pc,
Ordering Info	
KN-SG402SP	6 Port Gigabit PoE Switch ,52V1.25A