6 Port 100M AI PoE Switch

【Introduction】

6-Ports 100M Ethernet Power Switch (PoE Switch), using high-quality high-speed network IC and the most stable PoE chip, PoE Port support 802.3af and 802.3at standard both, this series of PoE Switch can be 10/100M Ethernet The network provides a seamless connection, and the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. The non-PoE device intelligently detects no power and only transmits data.

PoE is Power over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access AP, network cameras, etc.), but also provides DC power for this device. Technology, these devices that receive DC power are called powered devices.

With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network. It is mainly located in 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, and schools.

【Main Features】

- 4*10/100M POE ports + 2* 10/100M Ethernet Uplink ports；
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at standards；
- Ethernet port supports 10/100M adaptive and POE functions；
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard；
- Support port auto flip (Auto MDI/MDIX)；
- Automatically supplied to adaptive devices；
- Panel indicator monitoring status and help failure analysis；
- Support for VLAN mode and Extend 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 AI Watchdog Function；
- Lightning Protection Surge: General Mode 4KV, Differential Mode 6KV, ESD 8KV.

【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 Port 10/100M PoE + 2 Port 100M Ethernet Uplink
Performance	
Switching Capacity	1.6Gbps
Throughput	0.8928Mpps
Packet Buffer	768K
MAC Address	1K
Jumbo Frame	2Kbytes
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	
Network protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) 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)、 EN61000-4-4 (EFT)、 EN61000-4-5 (Surge)

Network Medium	10Base-T : Cat3、4、5 or above UTP(≤250m) 100Base-TX : Cat5 or above UTP(≤100m)
Protection	
Security Certificate	CE、FCC、RoHS
Environment	
Working Environment	Working Temperature：-20~50° C Storage Temperature：-40~85° C Working Humidity ： 10%~90%，non-condensing Storage Temperature：5%~90%，non-condensing Working Height： Maximum10,000 feet Storage heigh： Maximum 10,000 feet
Indication	
LED Indicators	PWR（power supply），SW（DIP），1-6 Green（Link&Data）
Mechanical	
Structure Size	Product Dimension (L*W*H): 126mm*116mm*34mm N.W：0.35kg G.W：0.5kg
Packing Info	Packing Qty：20 units Packing Weight：13.85KG
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-SF402P	6-port 100M AI PoE Switch