10 Port 10/100M AI PoE Switch

【Introduction】

10-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 APs, 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】

➤ 8*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, OFF mode and Extend mode；

➤ Support Watchdog Function；

➤ Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 8KV.

【Application Environment】

➤ Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration,etc.
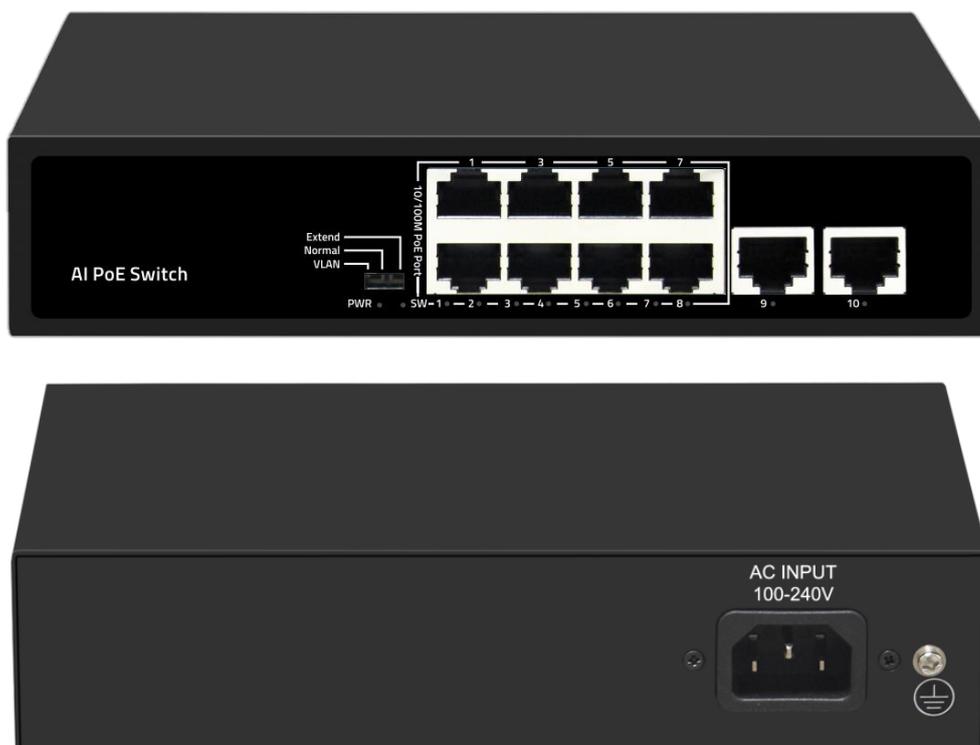
- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries

- 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	8 Port 10/100M PoE + 2 Port 100M Ethernet Uplink
Performance	
Switching Capacity	2Gbps
Throughput	1.488Mpps
Packet Buffer	448K
MAC Address	1K
Jumbo Frame	2048bytes
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) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Network Medium	10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5　or above UTP(≤100m)
Protection	
Security Certificae	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	
PWR （power supply)	Lighting：Powered Un-Light：No Power
SW (DIP)	Lighting：VLAN Un-Light：Normal Flashing：Extend
1-10 Green (Link&Data)	Lighting：Connecting Flashing：Data Transmit Un-Light：Disconnect
DIP Switch	**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. **Normal**: Normal mode, all port can communicate with each other, the transmission distance is within 100 meters, the transmission rate is 10M / 100M adaptive; The port AI mode is closed. **Extend**：Link extension mode, 1-8 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M, and the port AI mode is turned on
Mechanical	
Structure Size	Product Dimension (L*W*H): 200mm*118mm*44mm Package Dimension (L*W*H): 245mm*190mm*60mm N.W：0.6kg G.W：0.9kg
Packing Info	Carton MEAS：505*320*402mm Packing Qty：20 units Packing Weight：19KG
Power Voltage	Input Voltage ：AC 100-240 V Power supply：52V2.3A
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certificate 1 pc
Ordering Info	
ZX900-AF-82N	10-port 10/100M AI PoE Switch

【Product Picture】

【Application】