

# 18 Port Gigabit PoE Switch

## 【Introduction】

18 Port Gigabit 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.

## 【Main Features】

- 16\*10/100/1000M POE ports +2\* Gigabit SFP Uplink Port;
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3ab ,IEEE802.3z IEEE802.3x standards;
- Ethernet port supports 10/100/1000M adaptive;
- 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, Default mode and Extend mode;
- 1 U rack installation

## 【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	16 *10/100/1000M PoE Port 2* Gigabit SFP Uplink Port
Performance	
Switching Capacity	36Gbps
Throughput	26.784Mpps
Packet Buffer	4Mb
MAC Address	8K
Jumbo Frame	9.6Kbytes
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)、EN61000-4-4 (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) 1000Base-TX : Cat5 or above UTP(≤100m)
Optical Media	Multimode fiber : 50/125, 62.5/125, 100/140μ m Single mode fiber: 8/125, 8.7/125, 9/125, 10/125μ m
Protection	
Security Certificate	CE、FCC、RoHS
Environment	
Working Environment	Working Temperature: -20~50° C Storage Temperature: -40~85° C

	<p>Working Humidity : 10%~90%, non-condensing</p> <p>Storage Temperature: 5%~90%, non-condensing</p> <p>Working Height: Maximum10,000 feet</p> <p>Storage heigh: Maximum 10,000 feet</p>
<b>Indication</b>	
LED Indicators	PWR ( power supply ) ,1-18 ACT ( Link&Data ) ,1-18 1000M ( Link )
PWR	<p>Lighting: Powered</p> <p>Un-Light: No Power</p>
1-18 ACT ( Link&Data )	<p>Lighting: Connecting</p> <p>Flashing: Data Transmit</p> <p>Un-Light: Disconnect</p>
1-18 1000M ( Link )	<p>Lighting: 1000M</p> <p>Un-Light: 10/100M</p>
DIP Switch	VLAN ,Default ,Extend
VLAN	Port isolation mode. In this mode, the PoE ports (1-16) of the switch cannot communicate with each other, and can only communicate with the UP-link port.
Default	Normal mode, all port can communicate with each other, the transmission distance is within 100 meters
Extend	Link extension mode, 9-16 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M
<b>Mechanical</b>	
Structure Size	<p>Product Dimension (L*W*H): 440*204*44mm</p> <p>Package Dimension (L*W*H): 500*275*85mm</p> <p>N.W: 2.6Kg</p> <p>G.W: 3.2kg</p>
Packing Info	<p>Carton MEAS: 520*445*300mm</p> <p>Packing Qty: 5 units</p> <p>Packing Weight: 17KG</p>
Power Voltage	<p>Input Voltage : AC 100-240 V</p> <p>Power supply: 52V5.76A</p>
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certification 1 pc, Brackets 1 pair
<b>Ordering Info</b>	
ZX901-AFG-162S	18 Port Gigabit PoE Switch

## 【Product Picture】



## 【Application】

