

## EL901-AFG-242S PoE Gigabit Switch



### >> Product Description

26-Ports PoE Switch with 24 PoE Ports, using high-quality high-speed network IC and the most stable POE chip, POE port meets 802.3af / 802.3at standard, this series of PoE Switch can be 10/100/1000M 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 / IEEE802.3at standards. The non-POE device intelligently detects no power and only transmits data.

PoE (Power over Ethernet) refers to the technology of providing dc Power supply to some IP-based terminals (such as IP telephone, wireless access AP, network camera, etc.) while transmitting data signals. These devices receiving dc Power supply are called receiving devices.

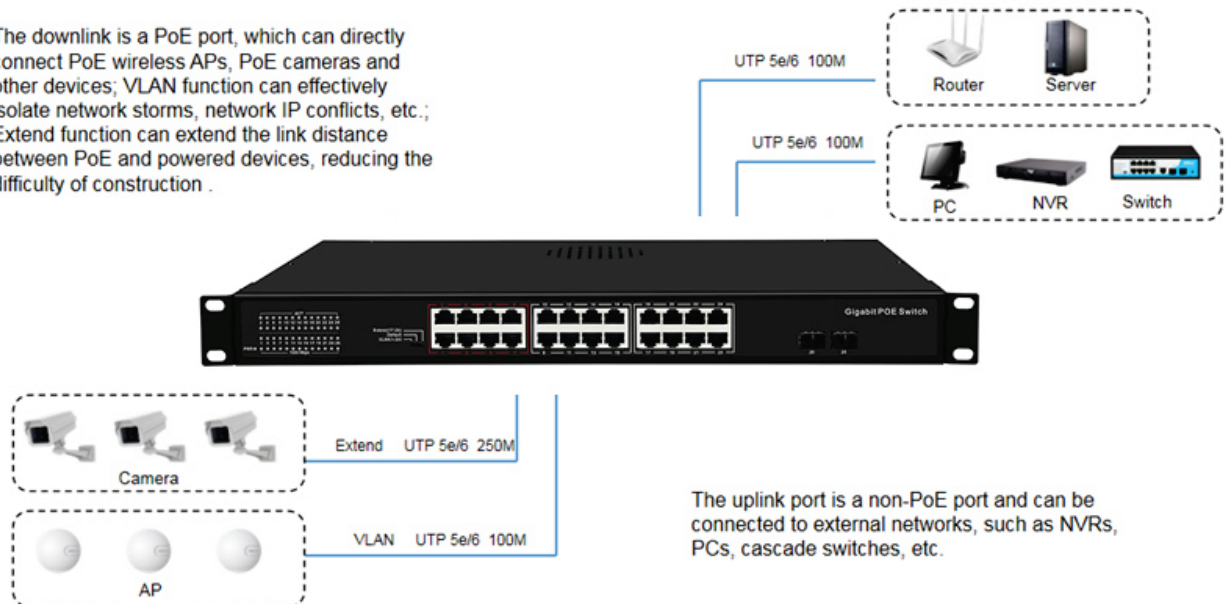
With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network. It is mainly located in the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government 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.

### >> Application Environment

1. Metropolitan area fiber broadband network: telecommunications, cable TV, network system integration, etc., according to network operators.
2. Broadband private network: suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries.
3. Multimedia transmission: integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications.
4. Real-time monitoring: simultaneous transmission of real-time control signals, images and data.

## >> Physical Application Reference

The downlink is a PoE port, which can directly connect PoE wireless APs, PoE cameras and other devices; VLAN function can effectively isolate network storms, network IP conflicts, etc.; Extend function can extend the link distance between PoE and powered devices, reducing the difficulty of construction.



## >> Specifications

Product Name	26-Ports PoE Switch with 24 PoE 10/100/1000M Ports +2 Gigabit SFP Uplink
Model	EL901-AFG-242S
Connector Type	24* copper cable RJ45 ports (24*10/100/1000M PoE ports) + 2*Gigabit SFP Uplink
Optical	Multi mode fiber: 1310nm, 2Km Single mode fiber: 1310nm, 20/40 Km 1550nm, 60/80/100/120Km
Performance Specification	Bandwidth: 52Gbps (non-blocking)
	MAC: 8K
	Packet Buffer Memory: 4M
	100M Packet Forwarding Rate: 0.1488Mpps/port 1000M Packet Forwarding Rate: 1.488Mpps/port
	MTBF: 100,000 hours
Port Lightning Protection	Common mode: 2KV, Differential mode: 1KV ESD: air 15KV, touch 8KV

Network Protocols	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab		
PoE Standard	IEEE 802.3af/at( each port 15.4W / 30W)		
POE Compatibility	IEEE 802.3af/at adaptive		
POE power output	DC48V		
Power Supply	Power input: AC110-264V 50/60Hz; (every country use a custom power plug)		
PoE power pin	12+,36- ( 45+,78- Optional)		
PoE Port Power	15.4W /30W for each POE port		
PoE Feature	All ports support MDI/MDIX		
One Key Smart Toggle Code	VLAN,OFF(normal), Extend		
PoE Ports	1-24 ports support PoE; 1-8 ports support QOS, 9-24 ports support Extend 250mtrs, 1-24 ports support VLAN		
Network Protocols	Support IEEE802.3, IEEE802.3u, IEEE802.3x		
Network Media	10BASE-T: Cat6 UTP(≤250 meter) ; 100BASE-TX: Cat5 or more UTP (≤100 meter); 1000BASE-TX: Cat5 or more UTP (≤100 meter)		
LED Indicator	PWR	Power supply indicator(Red)	Lighting: Powered Un-Light: No Power
	SW	DIP indicator(Green)	OFF: Normal VLAN: Lighting Extend: Slow flash
	1-26	RJ-45 ACT indicator(Green)	Lighting: Connecting Flashing: Data Transmit Un-Light: Disconnect
Working Environment	Operating Temperature: -20 ° ~ 55° C; Storage Temperature: -40 ° ~ 85 ° C; Operating Humidity: max 90%, non-condensing Storage Humidity: Max 95%, non-condensing		
Certification	CE, CCC, FCC, RoHs		
Transmission Distance	POE transmission distance:100meters, 250meters(when it's on 10Mbps rate with Cat.6 or more ) Uplink transmission distance: 100meters( Uplink RJ45 port); Depend on your SFP module( Uplink SFP port)		

Others	Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard; Support port auto flip (Auto MDI/MDIX); Exchange mechanism using store-and-forward; All ports support wire-speed switching; Automatically supplied to adaptive devices; Panel indicator monitoring status and help failure analysis;
Installation	Desktop
Physical	Dimension(L×W×H): 445mm*285mm*45mm
Warranty	2 years warranty