PoE Switch

User Manual

ANG1006 & ANG1010

Product Introduction

Commercial grade series of unmanaged PoE switches, PoE power supply complies with IEEE 802.3af / at standard. This series has more than ten products to choose from, it provides 100/1000M PoE(ethernet) Port or 1000M Optical Port, 10g optical port, and 1U rack or wall-mounted installation can meet the requirements of different application sites.

Design of DIP switching can realize Port isolation, Link extension, Qos priority and PoE watchdog function.The product hardware adopts fanless, low power consumption, wide temperature and wide voltage design. It has passed rigorous testing in accordance with industry standards and can adapt to most on-site environments that require EMC. It is mainly positioned at the access or aggregation layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and residential broadband .And widely used in small and medium-sized enterprises, internet cafes, hotels, schools and other Ethernet access scenarios.

Packaging List

PoE Switch	1 Pc
AC Power Cord	1 Pc
User Manual	1 Pc
Warranty Card, Certification	1 Pc
Brackets (or 1U Rack)	1 Pair

Main Features

◆ Support powering PoE devices through cat 5/6 ethernet cables

◆ PoE port support IEEE802.3af or IEEE802.3at adaptive

◆ 10/100M or10/100/100M rate adaptive

◆ Flow control: Full-duplex adopts IEEE 802.3x standard, half-duplex adopts back pressure standard

◆ Support Auto MDI/MDIX

◆ All PoE ports maximum 15.4W （ IEEE802.3af ） or 30W (IEEE802.3at)

◆ All ports support wire-speed forwarding, it can be reached in the range of 64 to 1536 frames

◆ One-button smart DIP switching, support VLAN, Default, Extend three working modes

◆ Support port Qos priority (depending on the actual model)

◆ AI version with PoE watchdog function. When PoE starts, it will detect the status of the powered device in real time, and if there is an abnormality on it, the switch will actively reset the problem port and restore power supply

Performance Indicators

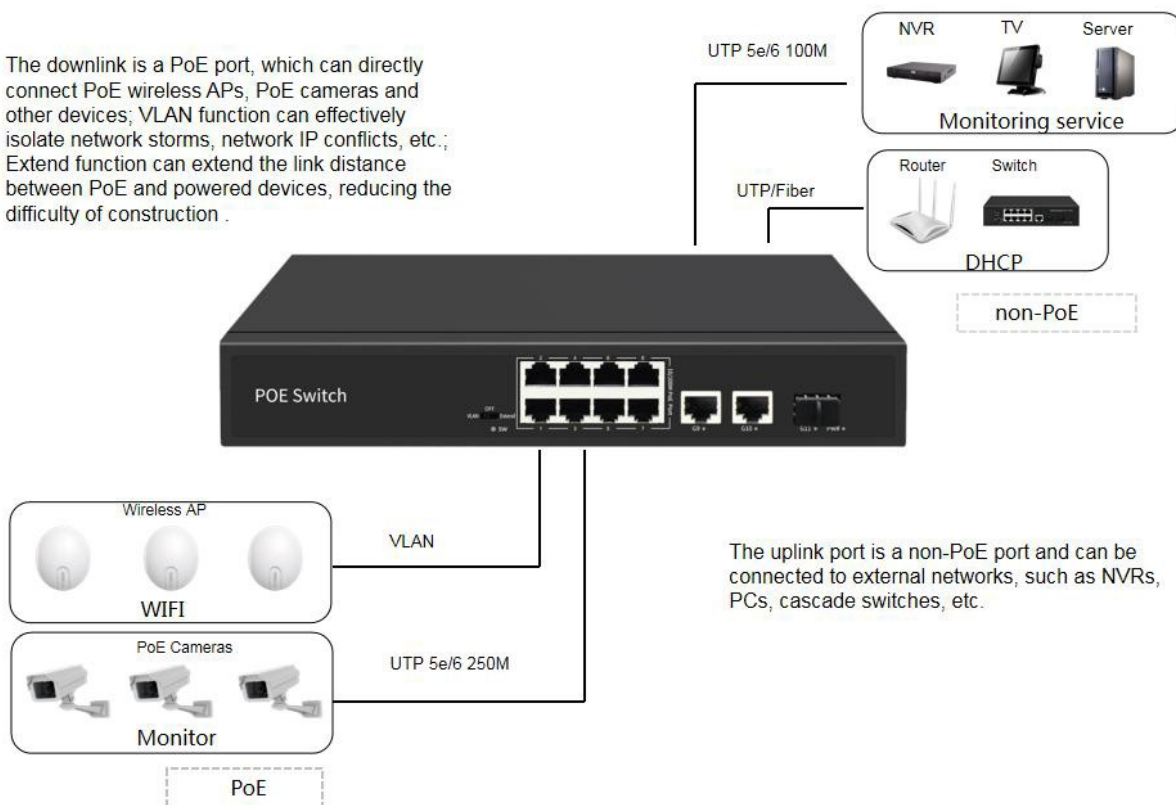| Network Protocol Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-X IEEE 802.3x Flow control			
Power	4 Ports	8 Ports	16 Ports	24 Ports
	65W	120W	200W 300W	300W 400W
Physical SPEC	6 ports individual desktop, 10 ports individual desktop （ rack type is optional) 19 ports/24 ports 1U Rack mount			
Environment al SPEC	Working temperature：-20-50°C Storage temperature：-40-80°C Working humidity: Max relative humidity 90%, non-condensing Storage humidity: Max relative humidity 95%, non-condensing Working hight：Max 10,000 feet（3,000 meters） Storage hight：Max 10,000 feet（3,000 meters)			
Certification	CE、FCC、CCC、RoHS			

DIP Definition and Indicator Indentification

DIP	Mode	Function description
VALN	Port Isolation	Downlink designated ports are isolated from each other, only transmit data with the uplink port(the AI version automatically enable the PoE Watchdog.)
Default	Standard Switching	All ports communicate freely
Extend	Link extension	The specified port speed drops to 10Mbps/s, max PoE transmission is 250 meters(the AI version automatically enable the PoE Watchdog.)

Indicator	Definition	Status	Description
PWR	Power LED	Lighting	Powered
		Light off	No power
SW Mode	DIP LED	Lighting	Port Isolated
		Light off	Standard switching
		Flashing	Link extended
PoE	Power supply LED	Lighting	PoE
		Light off	PoE failed
Link ACT	Link LED	Lighting	Link connected
		Light off	Link disconnected
		Flashing	Link data transmitted
1000M 100M	Link Capacity	Lighting	Current rate
		Light off	Non-current rate

Application

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 .

The uplink port is a non-PoE port and can be connected to external networks, such as NVRs, PCs, cascade switches, etc.

Appendix