User Manual

High-Power PoE switch

The PoE switch support IEEE802.3af/at POE standard, using advanced sensing algorithm, only for the terminal device which support the IEEE802.3af/at power over Ethernet standard, do not need to worry about damage to private standard PoE or non- PoE devices. Automatic recognition of PoE demand, speed, duplex and using the Auto Uplink cable, simple and convenient to use, no need to configure, plug and play.

The PoE switch designed for commercial network, for example, some need to simplify the wireless access point (AP) and network camera installation based on IP. These away from the power socket device usually hung on the wall or the ceiling height. PoE eliminates the equipment specially connected with the power socket. The connection from the AC power supply equipment more flexible, simplified wiring, flexible and extensible, get rid of affection by power line layout constraints in family and office network.

Design of high performance to price ratio, compact, flexible, EC series is the ideal chioce of small business network to economical use of PoE deployment of wireless access point (AP) and IP camera.
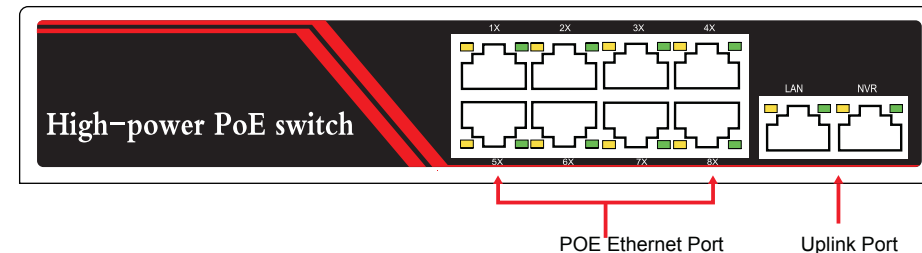
Main characteristics

• The Max distance of power supply is 300 meters.
• 10 10/100M adaptive RJ45 port, 4 port with PoE function.
• Each port supports auto MDI/MDIX and auto negotiation.
• Store and forwarding, support port isolation.
• Support two lightning of uplink port.
• Support IEEE 802.3x Full-Duplex and Backpressure Half-Duplex.
• Support IEEE802.3af/at standards, can provide 15.4W/30W per port.
• Automatic detection and recognition PD device which in accordance with IEEE 802.3af/at and power supply for the device.
• Intelligent power management, if the electrical equipment power exceeds the normal power output, the system will cut off power supply of the port, after 1-2 minutes, it will reexamination and power supply.
• Low power consumption, no fan design, natural heat

Port and performance	
RJ45 Port	• Port number:10 • POE port number: 8 • Port type: RJ45 adaptive • Port rate: 10/100M • Cable type: CAT5 or bett
Protocol standard	• IEEE 802.3 i 10 BASE-T; • IEEE 802.3 u 100 BASE-TX; • IEEE 802.3 x Flow Control; • IEEE 802.3 af/at Power over Ethernet
Performance specification	• Store and forwarding • Backplane bandwidth：1.8G • Transfer mode: Full-Duplex or Half-Duplex adaptive • Addressing: 48 bit MAC address • Mac Address Table:1K • Network delay: 100Mbps to 100Mbps, less than 20ms under 64byte frame
LED indicator	• Each Port：ACT、LINK indicator • Each Device：Power and PoE indicator
Port protection	• Meet IEC61000-4-2（ESD）± 15KV(air)，±8KV(contanc) and can bear energy of 8/20us 24A (12A)

PoE	
PoE	• support IEEE802.3af/at (15.4W/30W)
PoE power supply parameters	• sigle port：15.4W/30W • MAX Power：65W Serials
Power supply mode	• data line 1/2 (+), 3/6 (-); spare line 4/5 (+), 7/8 (-) optional
Power supply distance	• Maximum power distance with CAT5 UTP：100meters,
Environment and specifications	
Authentication	• CE/LVD
Electromagnetic compatibility	• Working temperature: 0~55 ℃；storage temperature: -20~70 ℃ • working humidity: 10%~90%, no condensation; storage humidity: 5%~95%, no condensation
Power	• DC 48V/4.16 A
Size (L * W *H)	• 215mm*106mm*25mm （10 ports）
Warranty	• 1 year

Front board

POE Ethernet Port   Uplink Port

Back board

AC100~240V

Power input port

Application