POE Switch

User manual

(Do not use until you read this manual carefully)

Overview

10/100Mbps or 10/100/1000M adaptive Ethernet Optical Transceiver (POE switch), With high quality and high speed network IC and the most stable POE chip, the POE port meets the 802.3af/at standard. This series of POE switch can provide seamless connection for 10/100M or 10/100/1000M Ethernet. Simple and reliable design, automatic identification of POE requirements. Speed, FDX and use Auto Uplink UTP Type.

POE switches are ideal for small commercial and home networks that want to deploy wireless access points (AP) and ip-based IP cameras using POE economically.

This series of POE switch, the use of POE port + 1 or 2 Uplink POE port or Uplink fiber port configuration, uplink port network equipment used to provide network data docking, according to the actual distance and the equipment selection uplink power port or Uplink fiber port, the series of products including (1 port to 24 port POE switch).

Main Feature

- Support provide power through wireless access points (AP) and IP Camera
- 1-24 POE port support IEEE802.3af or IEEE802.3at (optional)
- 10/100M or 10/100/1000M adaptive
- 1/2 Uplink port or fiber port is not POE 100M or 1000M (optional)
- Support IEEE802.3 10Base-T, IEEE802.3u 100Base-TX and IEEE802.3ab 1000Base-T standard
- Flow control: FDX adopt IEEE 802.3x, HDX adopt Back pressure standard
- Support Auto MDI/MDIX
- Support Up-link lightning protection
- Each port power: 15.4W/25.5W
- The switch of storage and forward is adopt to support linear speed exchange on all ports. The linear speed can be achieved within 64~1536 bit

- Fanless design, Auto heat dissipation

Technical parameters:

UTP Port	1-24 100M/1000M POE Port Up 1-2 Uplink ports
Network device	10 BASE-T: 3,4,5 is Unshielded Twisted-Pair (≤100m) 100 BASE-TX: 5 and above Unshielded Twisted-Pair (≤100m)
Specifications	Back Bandwidth: 1.6Gbps (Non-Blocking) Network Latency (100 to 100M bps): <20us Buffer Space: 96KB Mac Table Size: 1K MTBF: 190000h
Network protocol and standard compatibility	IEEE 802.3 i 10 BASET IEEE 802.3 u 100 BASETX IEEE 802.3 x Flow Control IEEE 802.3 ab 1000 BASE-T IEEE 802.3 af/at DTE Power via MDI IEEE 802.3 af/at
LED indicator lamp	System: Power Each port: On, POE working
Power	Each port power : 15.4W/25.5W (1-24 port） Power output: 48VDC

Working Environment	Operating Temperature: 0℃~55℃ Storage Temperature: -20℃~75℃ Operating Humidity: 10%-90%（no condensation Storage Humidity: 10%~95% （no condensation) Operating height: altitude of 3000m (10000ft) Storage height: altitude of 3000m(10000ft)

Installation:

1.Please confirm as follow details before installation:

- POE port power meets the power requirements of the front-end equipment
- The POE power supply mode is the End-Span (1/2,3/6-line pair), and the Mid-Span (4/5,7/8-line pair) POE power supply mode can be selected
- The power adapter support to the specifications marked on the POE switch label

2. Arrange the POE switch according to the following steps:

- Put the POE switch on the table
- Connect the power adapter
- Used the UTP cable connect with the front-end equipment