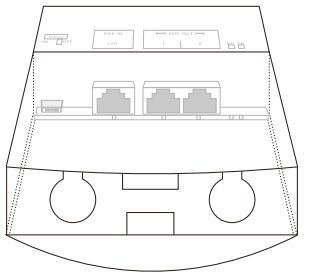
Reverse POE switch

User Manuel



Product Description

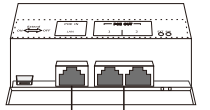
This product is our company's 1-to-2 100M Ethernet POE Extender which compatible with IEEE802.3af/at standard protocol equipment; the device cansupport POE input, it canrelay 2 PD devices; support Extneded function, when the network cable signal istooweak, turn on the Extended modeand the POE port cansupport power supply + network transmissionup to 250 meters away.

Feature

- ◆ Built-in standard switching chip, following IEEE802.3 Ethernet and IEEE802.3u Fast Ethernet protocols
- ◆ Support Extended mode, the longest transmissionis 250 meters.
- ◆ Support IEEE802.3AF/AT protocol , compatible with power supply above 48V
- ◆ The receiving linesequence of the uplink port is 12 and 36, 45 and 78 or full line ;
- ◆ Automatic MDI/MDI-X linesequence crossover
- ◆ Automatic address learning and aging
- ◆ Store/Forwardand Frame Filtering
- ◆ Full-duplex IEEE802.3 flowcontrol, half-duplex backpressure operation
- ◆ Supports data frame transmission with a frame length of 1522Byte
- ◆ Plug and Play

Product display

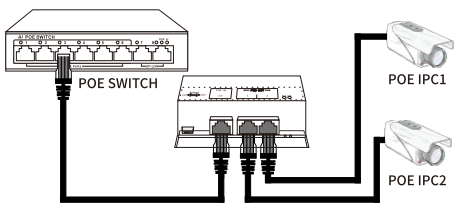
The display is representative of the product, the actual object may be different, but the function is the same



Indicator Light

Indicator Light	Mode	Explanation
Power Indicator PWR	ON	POE Input Available
	OFF	POE Input Unavailable
Port Indicator	OFF	Network connected. No data transfer
	Flicker	Data in transit
Mode DIP Switch	OFF	Default Mode
	ON	Extended mode, 250 meters transmission

Product Application

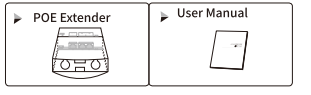


Typical application of products

Precautions

- ● This device is a POE extender device, please confirm whether the front-end POE switch and the back-end PD can work normally before doing the access test
- ● Please confirm the power of POE switch port,Ensure that when outputting 2 ports ,POE output power is less than POE input power
- ● In order to minimize line loss, it is recommended to use the Cat 5e or more network cable
- ● To ensure the line bandwidth, the network cable from the POE switch to the Reverse POE switch should be controlled within 100 meters ,to avoid the LAN port working in 10Mbps mode

Package List



Technical Parameters

Modle	1POE IN+2POE OUT
Port	2*100MPOE Port+1*100MPOE Input Port
Store & forward	Supported
Backplane Bandwidth	0.6G
MAC	2K
Use environment	Working temperature: 0℃-40℃ Storage temperatur: -40℃-70℃
	Working humidity : 10℃-90℃ Storage humidity: 5℃-90℃
POE IN	Receiver sequence: 12 and 36, 45 and 78 or full line .
Network Protocol	IEEE 802.3Ethernet Access Control Protocol IEEE 802.3i 10BASE-TEthernet IEEE 802.3u 100BASE-TXFast Ethernet IEEE 802.3xFlowControl IEEE 802.3af/at
POE OUT	IEEE802.3 af/at, Single port max output 30W Support sequential boot Support short circuit overloadprotection Support soft start of high-power device
Working mode	100MbpsDefault mode: OFF gear, the speedof all ports is100M/s. The transmissiondistance is 100 meters Ultra-long-distance mode: ON gear, the speedof all ports is10M/s. The transmissiondistance is 250 meters
Data Transfer Rate	Ethernet 10Mbps half duplex 20Mbps full duplex Fast Ethernet 100Mbps half duplex 200Mbps full duplex
Twisted Pair Transmission	100Base-TX:2 to Cat5 or more UTP/STP（≤100m） 10Base-T:2 to Cat5 or more UTP/STP（≤250m）
Product Size	150*98*36.5mm



Product parameters and appearance are subject to change without notice, please refer to the official website.

TY-SW-103S-20231102