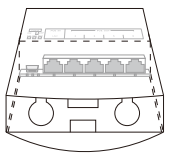
Reverse POE switch

User Manuel





Product Description

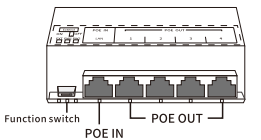
This product is our company's 1-to-4 100M Ethernet POE Extender which compatible with IEEE802.3af/at standard protocol equipment; the device cansupport POE input, when two POE inputs, it canrelay 4 PD devices; support Extneded function, when thenetwork cable signal istooweak, turn on the Extended mode and 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 is12+36-
◆ 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 PW1:	ON	Dual POE Input Available
	OFF	Dual POE Input Unavailable
Power Indicator PW2:	ON	Single POE Input Available
	OFF	Single POE Input Unavailable
Port Indicator	Flicker	Data in transit
	OFF	No data transfer
Mode DIP Switch	OFF	Default Mode
	ON	Extended mode, 250 meters transmission

Product Application

Application1: Single POE Input — Only support the receivinglinesequence: 12+36-



Single POE Max Onput 30W

Pw2 indicator lights up. Only 3,4ports are available

Application2: Dual POE Input — Only support the receivinglinesequence: 12+36-



Dual POE Max Output 60W

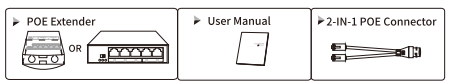
PW1,PW2 Indicator lights up. 1-4 ports are available

It is required for dual POE

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
- When single-channel POE input isused, only ports 3 and 4 of the device canoutput POE power supply
- When using dual POE input, PW1 isonly usedas a power supply supplement, occupying the switch port
- This device only supports 12/36 POEpower supply linesequence; for single input: if the switch is powered by the full linesequence, please use a 4-core network

Package List



Technical Parameters

Modle	POE105S
Port	4*100MPOE Port+1*100MPOE Input Port
Store & forward	Supported
Backplane Bandwidth	1G
MAC	2K
Use environment	Working temperature: 0℃-40℃ Storage temperatur: -40℃-70℃
	Working humidity : 10℃-90℃ Storage humidity: 5℃-90℃
POE IN	StandardPOE(Recv seq: 12&36). Dual port up to 60W output)
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(seq: 12&36). 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 is100 meters Ultra-long-distance mode: ON gear, the speedof all ports is10M/s. The transmissiondistance is250 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	Size1:150mm*98mm*36.5mm Size2:103mm*61.5mm*24.5mm

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

TY-SW-105S-20231102

