深圳易天光通信有限公司
ETU-LINK TECHNOLOGY CO., LTD

POE Media Converter

The PoE media converter can provide both Ethernet data and power over RJ45 cable, it can be used as Ethernet Power Sourcing Equipment and automatically detect and identify connected devices, such as IP cameras which comply with standard IEEE PoE 802.3af, 802.3at, and then supply power for them. The PoE media converter makes easier the deployment of Wireless AP, IP camera and IP-based Network equipment.

The PoE is Power over Ethernet technology, It is referring to transfer both Ethernet data and and DC power at the same time, for IP Phone, Wireless AP, IP-based camera. These devices which receive DC power is called Powered Device(PD).

Feature

- ➢ 10/100/1000Mbps self-adaptive,down-link ports support PoE
- ➢ All the ports support Auto MDI/MDIX
- ➢ PoE port supports Power up to 15.4W(IEEE802.3af), 30W(IEEE802.3at)
- ➢ Compatible with Powered device applied to IEEE802.3af/at
- ➢ Support IEEE802.3x Full Duplex and Duplex back-pressure flow control function
- ➢ Automatic MAC address learning and aging
- ➢ 4K MAC Address
- ➢ 16G Broadband
- ➢ High performance full load power configuration
- ➢ LED indicator monitor working status, easy for fault detection

Specification

1000M POE	1
1000M UP-LINK	1
Exchange Mechanism	Store-and-forward
Exchange Capacity	16G
MAC	4K
Environmental	Working Temp.0℃~40℃ Storage Temp.:0℃~40℃
	Working Humidity: 10%~90% RH Storage Humidity: 5%~90% RH
POE	IEEE802.3af, max.15.4W IEEE802.3at, max.25.5W
power	DC 52V 1.25A, AC100-240V 50/60HZ
Network protocol	IEEE 802.3i 10BASET; IEEE 802.3u 100BASETX; IEEE 802.3x Flow Control; IEEE 802.1af DTE Power via MDI; IEEE 802.3af, IEEE 802.3ab 1000BASE-T
Default Mode	Common switch
Speed	Ethernet: 10M half-duplex 20M full-duplex Fast Ethernet: 100M half-duplex 200M full-duplex Gigabit Ethernet: 2000Mbps full-duplex
Network Media	10Base-T: 2pair Cat 3 or more UTP/STP(≤150m) 100Base-TX: 2pair Cat 5 or more UTP/STP(≤150m) 1000Base-T: 4pair Cat 5 or more UTP/STP(≤100m)

LED Indicator

Indicator	Status	Description
PWR	ON	Power working
1000M	ON	Camera supports 1000M,connected
POE	ON	Camera connected
Link/Left	ON	Fiber signal
	Flash	Fiber Transmission
Link/Right	ON	POE signal
	Flash	POE transmission
FDX	ON	Fiber signal

Please confirm that the PD devices are complying with IEEE802.3af/at standard.

Priority: this function will protect device when it is overload, if all PD consumption are higher than specified,POE port will be sorted,then power supply will be off.

Power port, Power adapter: please use 48V power supply, the converter will be damaged if use mismatched power supply; Please input AC110-245V\50Hz for internal power supply converter.

PoE port: The PoE port include PoE function, it can transmit power and data when connected matching device,you can estimate the working status of each port on front panel LED.

Ethernet Port: Except PoE port, another port is Ethernet RJ45 port or fiber port, both ports support Auto MDI/MDIX, plug and play, you can also estimate the working status of each port on front panel LED.

Installation

1. Please confirm the following things before installation:
>The POE port power meets the power requirement of the connecting devices.
>The POE standard requirement and power supply match with the power receiving device,
1/2+,3/6-(End-span)/4/5+,7/8-(Mid-span).
>The output power of the supporting power adapter is consistent with the specification in the label of the POE converter.

2. Please install the POE converter according to the following steps:
> Put the POE converter on the surface of a large and stable table.

> Plug the power adapter into the power connector, and then connect the power outlet through the power cord.

> Connect the Network devices to the POE converter port through Network/fiber cable.

Note

Do not put heavy products on the POE converter and please ensure good ventilation environment for the POE Switch.
Please cut off the power first before plugging the power adapter.

Power

Connect the power cord, plug it in, turn on the power. When turned on, the converter will automatically initialize, and at this time the following cases will occur for the LEDs:
>Except the POE port LED, all other LEDs will be off after on, which means the restoration is successful.

Packing List

Please kindly check the following items:
1 PoE media converter
1 Power Adapter
1 User Guide