

USER GUIDE

POE & Optical Transmission
POE Extender



Statement

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Packing List

- A POE extender
- User Guide

Product Feature

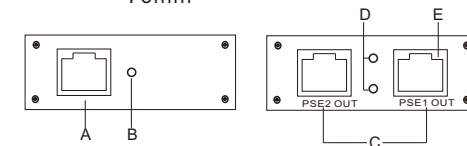
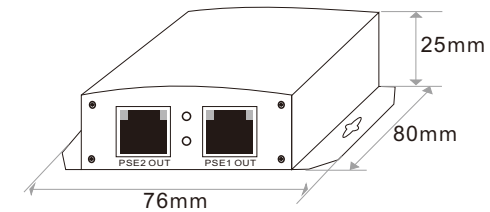
Product introduction

The IPCP-EXT2P PoE Extender allows for an incoming PoE powered signal to be extended to 1 or 2 PoE powered devices. This takes down the barrier of a typical 100 meter distance restriction of PoE and can extend it to even further distances. Furthermore, this extender is powered by the incoming PoE power of your PoE switch or injector (not included), therefore you do not have to worry about having a nearby power receptacle to power this device. Additionally, this device acts as a PoE powered 2 port unmanaged switch as it has 1 input which accepts the PoE power and 2 outputs which extends the PoE power to up to 2 PoE powered networkable devices such as IP cameras.

Performance Characteristics

- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3af, IEEE802.3at standard
- Plug and play, no need to set.
- Data transmission speed rate : 10/100Mbps
- PD mode (power pins) can comply both with 1/2+,3,6- (End-span) & 4/5+, 7/8- (Mid-span)
- Excellent circuit isolation.
- Mean Time Between Failures(MTBF) : 30000h
- Transmission signal channel surge protect 1KV standard : IEC61000-4-5
- Small Footprint

Mechanical structure and Port description



A.PD Input Rj45 port

C.PSE Output Rj45 port

E.Network port working status

B. POE extender working Status Light

D. POE working Status Light

Product internal design description

Indicator	Status	Description
PD RUN	ON	PD working normal
	OFF	Incorrect PSE device connection
	Blink	PD overload
PoE RUN	ON	PoE output normal
	OFF	Not connected PD or Power supply type are not matched
	Blink	Connected PD overload or undetected standard PD

Remark: Please Confirm that the PD comply with IEEE802.3af/at standard

PoE Port: PoE ports have PoE function, it can transmit data and power if matching with connected device,

To estimate the status of each port by the indicators on front panel.

PoE IN cable: Please use UTP Cat5 or above to connecting with PSE or PD.

PoE OUT cable: Please use UTP Cat5 or above to connecting with Ethernet device.

PoE splitter cable installation instruction

Installation guide

Please use the assorted equipments to install

Installation

PoE extender is used with power supply unit and PoE device, can used in the network environment without the power supply cord or away from the power outlet , it can supply power for AP, IP camera , VoIP and other network devices.

Please link the PoE splitter correctly in the following steps:

- 1).Using UTP Cat5 cable to connect PoE port access of the power supply device(such as PoE switch) to PD IN port of this PoE extender.
- 2).Using UTP Cat5 cable to connect PoE OUT port of the PoE extender with PD.

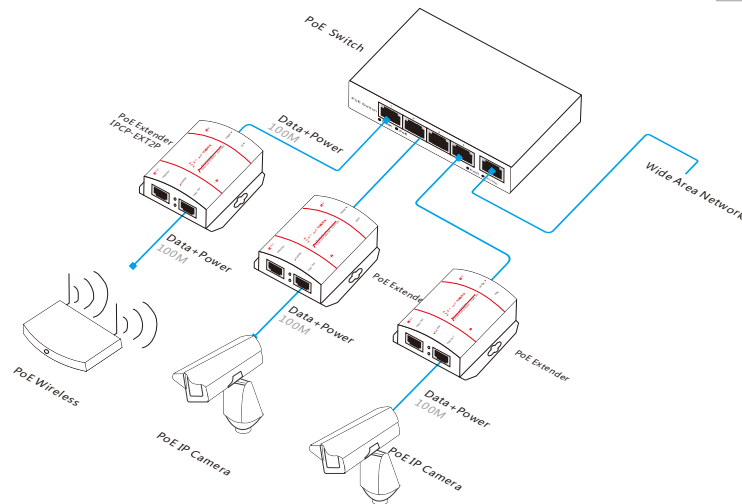
Attention:

- 1).The Ethernet device connected with PoE extender shall not exceed maximum power of the PoE extender.
- 2).Even if the supply of power is enough, the same communication connected with PoE extender also must not exceed 3-level.

Confirm before installation:

- 1).Whether the power supply of PoE port is in line with the access equipment power demand or not.
- 2).Whether PoE standard requirement and power supply match with the PD of access (mid span/end span) or not.

Solution diagram



Product model and parameter description

IPCP-EXT2P: 10/100Mbps PoE extender , its front-end is powered , and its back-end is PSE , IEEE802.3af,15.4W, extending 100m

Port Description : PD input RJ45, PSE output RJ45

Network Media : 100BASE-TX: UTP Cat5 , 100m or less

Network Protocols: IEEE 802.3i; IEEE 802.3u; IEEE 802.3x Flow Control; IEEE 802.1af DTE Power via MDI

PoE port : PoE IN PD (25.5W) , PoE Out PSE (15.4W)

PoE Standard : IEEE802.3af (port power : 15.4W), IEEE802.3at (port power : 25.5W).

PoE Type : PoE front PD input support End-span & Mid-span , PSE port only support End-span or Mid-span .

PoE Cable core: 1/2+ , 3/6- (4/5+ , 7/8- optional)

Electromagnetic Emission(EME) : CE mark, commercial , FCC part 15 Class B RoHS.

Product Size & Weight : 80mm*76mm*25mm(L*W*H) , 0.15kg

Warranty Service : one year warranty, life-long maintenance

Operating temperature : 0 to 55° C

Storage temperature : -20 to 70° C

Working humidity : 10%~90% (no condensation)

Storage humidity: 5% 90% (no condensation)

