

PoE Extender



FS-PSE1001-E10

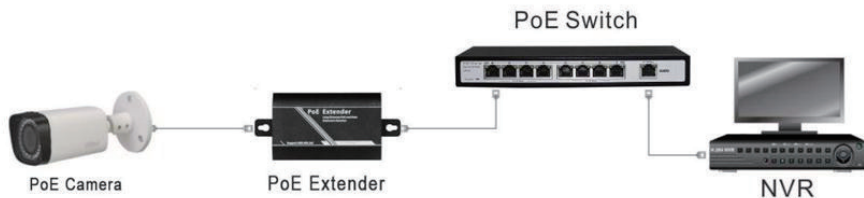
Features

- ▶ Provide two ports: one PoE input and one PoE output
- ▶ Bandwidth: 10/100Mbps
- ▶ Input Voltage: 48-57V
- ▶ Complies with IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3az, IEEE802.3af
- ▶ Easy to install and operate on walls or on the desktops
- ▶ Support overheating and short circuit protection as well as over-voltage and over-load protection

Overview

PoE extender can extend power and ethernet signals to 100m over UTP cable to connect PD devices (such as IP cameras) which are compatible with IEEE802.3af/at and supply power to PD devices which are compatible with IEEE802.3af/at. This PoE extender is widely used in video surveillance and office net cabling system. Max 3 pieces could be cascaded and can transmit max up to 400 meters with PoE switch.

Application Diagram



Technical Specification

Port	One RJ45 port for POE input, One RJ45 port for POE output
POE Power Supply Type	Powered via POE input port, support Mid - Span and End - Span
Transmission Media	Cat5e/6 standard UTP cable
Output Wattage	15.4w(max)
Bandwidth	10/100Mbps
Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE -TX/100BASE-FX IEEE802.3az IEEE802.3af
Working Status	PoE Indicator, Link/act Indicator
Dimensions (L*W*H)	83.0*51.5*24.0mm
Weight	88.6g
Operating Environment	Working Temperature: -20°C~55°C
	Storage Temperature: -40°~85°C
	Humidity(non-congeal): 5%~95%

Note

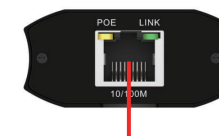
If there is any change with product specification, please forgive without prior notice.

Products Panel Figure

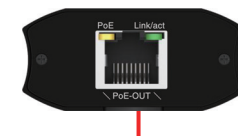
Front Panel



Side Panel



PoE Input



PoE Output

Troubleshooting

When the device has encountered troubles, it can be solved by the methods below:

- 1) Make sure the device is installed correctly referring to the requirements.
- 2) Make sure RJ45 cable is good contacted without open circuit; the cable design complies with EIA/TIA 568A or 568B international standards.
- 3) Each PoE port can provide max 15W to PoE devices, so please don't connect with the PoE device which is more than 15W.
- 4) Replace the broken device with a normal working FS-PSE1001-E10 to check if the device is damaged.
- 5) If all the above methods still don't work, please contact with the manufacturer directly.

Making methods of RJ45 connector

Required tools: wire crimpers, network cable tester.

- 1) The wire sequence of RJ45 connector must comply with international standard of EIA/TIA 568A or EIA/TIA 568B.
- 2) Strip about 2cm's insulating jacket to make 4 pairs UTP can be seen.
- 3) Separate 4 pairs UTP cable, and try to straighten each pair.
- 4) Arrange 8 cables with correct line sequence of EIA/TIA 568A or EIA/TIA 568B.
- 5) Cut thread residue and leave 1.5cm wire which exposed the insulating layer outside, and ensure 8 cables are straight and neat.
- 6) Put 8 cables in RJ45 connector, then press with wire crimpers.
- 7) Repeat above steps on the other side of UTP cable; Then using the cable tester to test whether the cat5e/6 works normally.

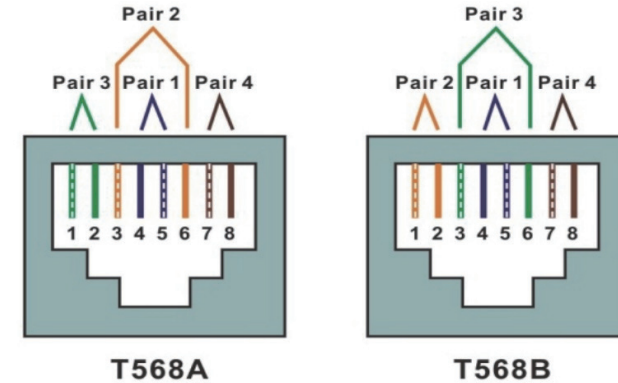
Installation

1. Before installation, please check the following equipment and accessories, if there is any missing, please contact with your supplier.

- 1) 1 pc of FS-PSE1001-E10
- 2) 1 pc of user manual

2. Please install as below steps:

- 1) Before installation, please turn off the power of all signal sources and the monitor in case of the damage to transmission device.
- 2) Using ONE network cable to connect with PoE input port and switch, as well as powered devices such as IP cameras via the other port.
- 3) Check whether installation is correct or the device is damaged. Before power on, make sure that all connections are reliable.
- 4) Confirm all network devices are powered and can work normally.



	1	2	3	4	5	6	7	8
T568A	White Green	Green	White Orange	Blue	White Blue	Orange	White Brown	Brown
T568B	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown

Note

Ports of this device support Auto MDI/MDIX, so the different wire sequence at two sides of the cable is allowed when using RJ45 port for transmission.

Health & Safety

This unit must be installed by a suitably qualified person. Please ensure that all installations comply with the current IEE regulations. For reasons of space and clarity not every system has been included and the diagrams have been simplified. The product is not user serviceable. Do not dismantle this product.

Disclaimer

As with all software and hardware dependent devices, ESP are unable to guarantee that every device will be compatible with the supplied product and software. Specific models of phone, tablet or other devices, the hardware it contains, the service provider, the types of data services offered and variations in version numbers can affect the performance.

Due to our policy of continuous product improvement and development, the specifications in this guide may be subject to change without prior notice.



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