



Description:

Ethernet and PoE connections both restrict cable distances to 100 meters between network ports. To overcome this distance limit, network installers can simply connect an PoE Extender in-line with the Cat-5e or Cat-6 cable

With 10/100/1000Mbps PoE Extender, PDs (such as IP Security Cameras, wireless access points) can be installed at greater distances than 100 meters from one another. By connecting PoE Extender for every extra 100 meters of cable, both Ethernet and PoE can be extended to 200 meters, depending on PDs power required and power source.

PoE Extender does not require any additional power supply and the connected PDs is fed by an single PoE switch or mid-span, which simplifies installation. PoE Extender offers two 10/100/1000Mbps Ethernet ports, which are both configured automatically for link speed, duplex and crossover and the full-rate network throughput is main-tained. PoE in connection PoE Switch, 12.36 or 45.78 powered support, support IEEE802.3af & at the power supply, PoE out for the supply terminal 1 Gigabit, PoE total power can reach 25w (PoE Switch need to provide IEEE802.3at power)

Features:

- ✧ Compatible with IEEE802.3af and IEEE802.3at
- ✧ Extends the range of PoE and 10/100/1000Mbps Ethernet an additional
- ✧ 100 meters No additional power supply is required
- ✧ Automatically detects and protects PoE equipments from being damaged by incorrect installation
- ✧ 10/100Mbps Full-rate network throughout the whole extended
- ✧ distance Compact Size,Wall-Mountable design
- ✧ Easy plug-and-play installation
- ✧ Complies with 10/100Mbps Ethernet

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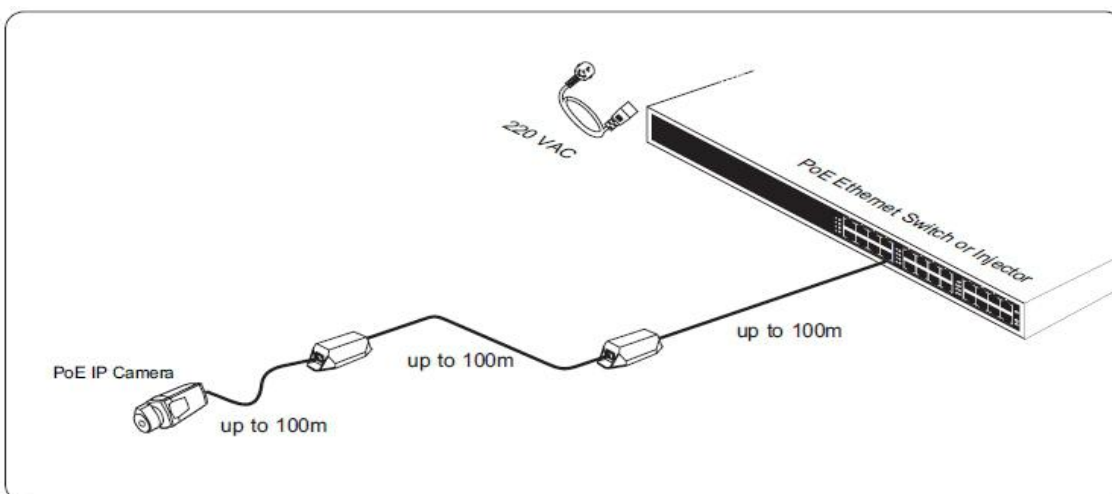
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Specifications:

Item	Description
No. of channel	1(PoE IN) into 1(PoE OUT)
Pass Through Data Rate	10/100/1000 Mbps half/full duplex
Power over Ethernet input	Pin Assignment and Polarity: Both 1/2 (-), 3/6 (+) and 7/8 (-), 4/5 (+)
Power over Ethernet Output	Pin Assignment and Polarity: 1/2 (+), 3/6 (-) Output Power: up to 22W
Connector	Shielded RJ-45, EIA 568A and 568B
Network cable	Shielded cat 5 (or higher)
Dimension	145mm x 60mm x 40mm
Mounting	Wall or shelf
Environment	Indoor or Outdoor
Environmental Condition	Operating Ambient Temperature:-10°C to 55°C Operating Humidity: Maximum 90%, Non-condensing Storage Temperature:-40 to 60°C Storage Humidity: Maximum 95%, Non-condensing
Regulatory Compliance	IEEE 802.3af (PoE), IEEE 802.3at (PoE+)

Application



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Maximum Distances for Power Sources

Multiple PoE Extenders can be connected every 100 meters to obtain greater distances. The actual figures depend on operating conditions. The range is over 24 AWG or heavier Cat-5e or Cat-6 cable except where specified.

Examples for medium power PoE Devices (that are PoE Class 2, or require under 6 watts)

PoE Source			
PoE switch (802.3af, Output voltages 50V)	15W mid-span (802.3af, Output voltages 50V)	PoE+ switch (802.3at, Output voltages 50V)	30W mid-span (802.3at, Output voltages 50 V)
Maximum Distances			
300m	300m	400m	400m

Examples for full power PoE Devices (that are PoE Class 0 or 3, or require under 12 watts)

PoE Source			
PoE switch (802.3af, Output voltages 50V)	15W mid-span (802.3af, Output voltages 50V)	PoE+ switch (802.3at, Output voltages 50V)	30W mid-span (802.3at, Output voltages 50V)
Maximum Distances			
200m	200m	300m	300m

Examples for PoE+ Devices (that are PoE Class 4 that under 22 watts, or 802.3at compliant)

PoE Source			
PoE switch (802.3af, Output voltages 50V)	15W mid-span (802.3af, Output voltages 50V)	PoE+ switch (802.3at, Output voltages 50V)	30W mid-span (802.3at, Output voltages 50V)
Maximum Distances			
Not applicable	Not applicable	200m	200m

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