

Gigabit PoE Extender

1PoE IN → 2 PoE OUT(60W)



User's manual

Gigabit Power-over-Ethernet Extender

Order Information

Outdoor waterproof Gigabit PoE Extender 1(PoE IN) into 2(PoE OUT)

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 (Outdoor type).

With Gigabit 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.

Gigabit PoE Extender does not require any additional power supply and the connected PDs is fed by a single PoE switch or mid-span, which simplifies installation. PoE Extender offers Three Ethernet ports, which are both configured automatically for link speed, duplex and crossover and the full-rate network throughput is maintained. 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 2 Gigabit, PoE total power can reach 60w [PoE Switch or PoE Injector need to provide IEEE802.3at 4Pairs(60W)power.]

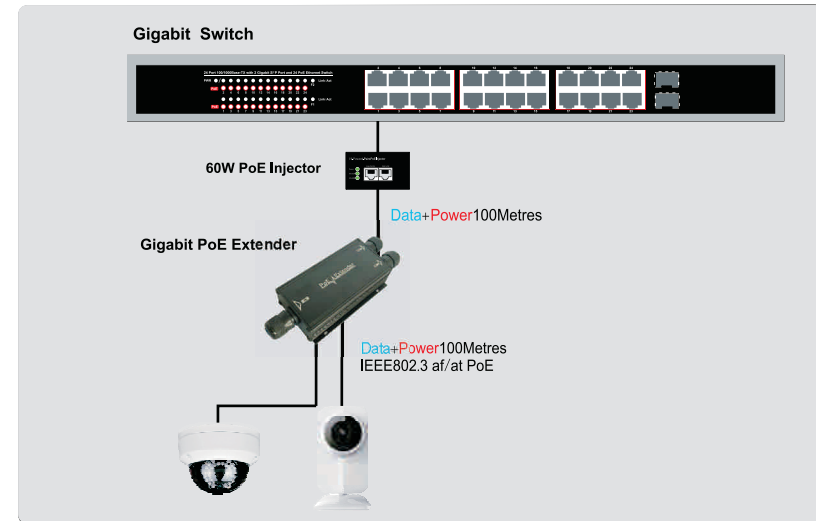
Features

- Compatible with IEEE802.3af and IEEE802.3at
- Extends the range of PoE and Gigabit Ethernet an additional 100 meters
- No additional power supply is required
- Automatically detects and protects PoE equipments from being damaged by incorrect installation
- Gigabit Full-rate network throughout the whole extended distance
- Wall-Mountable design
- Easy plug-and-play installation
- Complies with IP66(Support Outdoor rain prevention,need outdoor waterproof UTP cable)

Features

Item	Description
No. of channels	1(PoE IN) into 2(PoE OUT)
PassThrough Data Rates	10/100/1000 Mbps half/full duplex
Power over Ethernet input	Pin Assignment and Polarity: Both 1/2,3/6 and 4/5,7/8
Power over Ethernet Output	Pin Assignment and Polarity: 1/2(+),3/6(-) Output Power: up to 25W for 2 PSE
Connectors	Shielded RJ-45, EIA 568A and 568B
Network cables	Shielded category 5 (or higher)
Dimensions	230mm x 90mm x 40mm
Mounting	Wall or shelf
Environment	Indoor or Outdoor
Environmental Conditions	Operating Ambient Temperature: -25: to 55 °C Operating Humidity: Complies with IP66(Support Outdoor rain prevention,need outdoor waterproof UTPcable) Storage Temperature:-30 to 70 °C
Regulatory Compliance	IEEE 802.3af (15.4W) IEEE 802.3at (30W) IEEE802.3at 4Pairs(60W)

Application



Maximum Distances for Power Sources

Multiple PoE Extenders can be connected every 100 meters to obtain greater distances. The actual figure depends 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 (802.3at, Output voltages 50V)	60W mid-span (802.3at, Output voltages 54V)
Maximum Distances	
200m	300m (With Gigabit POE Extender)