5 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 24AWG 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	Maximum Distances
PoE switch (802.3af,Output voltages 50V)	300M
15W mid-span (802.3af,Output voltages 50V)	300M
PoE+ switch (802.3at,Output voltages 50V)	400M
30W mid-span (802.3at,Output voltages 50V)	400M

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

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

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

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

EU declaration of conformity

Cudy hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2009/125/EC and 2011/65/EU.The original EU declaration of conformity may be found at http://www.cudy.com/

Support and Warranty

For support and warranty, please visit: http://www.cudy.com/.
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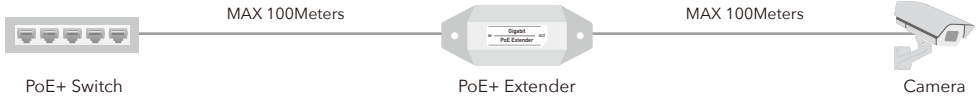
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User Manual

Model: POE10

1 Hardware Connection



Support up to 3 PoE+ Extenders for 400 Meters Distance



2 Description

Cudy Gigabit PoE+ Extender helps install PDs (such as IP Security Cameras, wireless access points) at greater distances than 100 meters. By connecting PoE+ Extender for every extra 100 meters of cable, both Ethernet and PoE can be extended to up to a total distance of 200 meters. It does not require any additional power supply , the connected PDs is fed by an single PoE switch or mid-span, which simplifies installation.

3 Features

- IEEE802.3at / IEEE802.3af Compliant
- 10/100/1000Mbps Ethernet Ports
- Wall-Mount design for any application scenario
- Easy plug-and-play installation
- No additional power supply is required
- One PoE extender extends additional 100 meters for PoE network
- Support up to 3 PoE Extenders for a total extension of 400 meters

4 Specifications

Model	POE10
No. of channels	1(PoE IN) into 1(PoE OUT)
Pass Through 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 22W
Indicators	Power indicator: PoE enabled Network indicator: Link/Act
Connectors	Shielded RJ-45, EIA568Aand 568B
Network cables	Shielded category 5 (or higher)
Mounting	Wall or shelf
Environment	Indoor or Outdoor
Operating Ambient Temperature	-10 to 45°C
Operating Humidity	Maximum 90%, Non-condensing
Storage Temperature	-20 to 60°C
Storage Humidity:	Maximum 95%, Non-condensing
Regulatory Compliance	IEEE 802.3af (PoE), IEEE 802.3at (PoE+)
Dimensions	145mm x 60mm x 40mm