

## 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 (i.e. PoE Class 2, or require under 6 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
PoE+ switch (802.3bt, Output voltages 50V)	400M
60W mid-span (802.3bt, Output voltages 50V)	400M

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

Examples for PoE+ Devices (i.e. PoE Class 4 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
PoE+ switch (802.3bt, Output voltages 50V)	300M
60W mid-span (802.3bt, Output voltages 50V)	300M

### 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, 2015/863/EU, 2009/125/EC and 2011/65/EU. The original EU declaration of conformity can be found at <http://www.cudy.com/ce>

### Support and Warranty

For support and warranty, please visit: <http://www.cudy.com/>. Specifications are subject to change without notice. Cudy is a registered trademark of Shenzhen Cudy Technology Co., Ltd. Other brands and product names are trademarks or registered trademarks of their respective holders.

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RoHS  
Made in China



810600152



# User Manual

Model: POE25

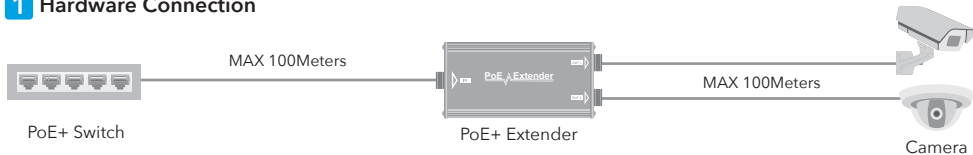


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## 1 Hardware Connection



Support up to 3 PoE+ Extenders for 400 Meters Distance



## 2 Description

Cudy Outdoor 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 and the connected PDs is fed by a single PoE switch or mid-span, which simplifies installation.

Cudy Outdoor PoE++ Extender has an IP67 waterproof enclosure and includes waterproof connectors on both the input and output sides. With surge protection function and working temperature from -25 ° C to 55 ° C, it can withstand severe weather.

## 3 Features

- IEEE802.3af/802.3at/802.3bt compliant
- One Gigabit PoE input port (60 watts max)
- Two Gigabit PoE output ports (2 x 30 watts max)
- Extends PoE signal for additional 100 meters
- No additional power supply required
- Auto-detect PoE and non-PoE equipments
- Wall-mount design, plug and play
- IP67 Waterproof compliant

## 4 Specifications

Model	POE25
No. of channels	1 (PoE IN) into 2 (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 MAX 30W for 2 PSE
Connectors	Shielded RJ-45, EIA 568A and 568B
Network cables	Shielded category 5E (or higher)
Mounting	Wall or shelf
Environment	Indoor or Outdoor (Matching with waterproof Ethernet cable)
Operating Ambient Temperature	-25 to 55°C
Operating Humidity	Complies with IP67
Storage Temperature	-40 to 70°C
Regulatory Compliance	IEEE 802.3af (15.4W) IEEE 802.3at (30W) IEEE 802.3bt 4Pairs (60W)
Dimensions	230mm x 90mm x 40mm