

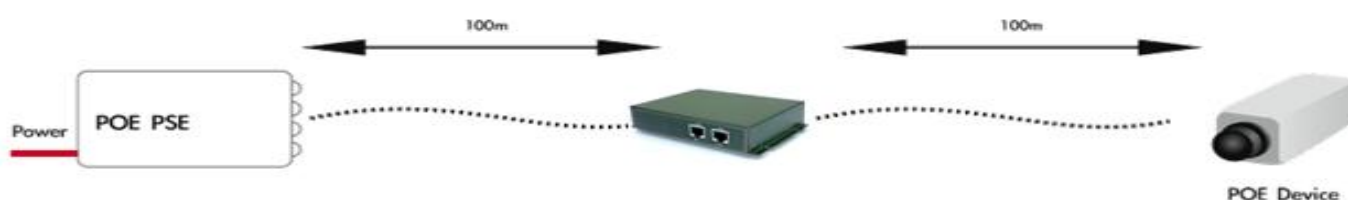
POER-101 LAN and POE Extender

Depending on power required by remote PoE device, POER-101 LAN & PoE extender can double, triple or even quadruple the normal 100m CAT5/6 cable run length for 10/100BaseT networks by daisy-chaining units without degradation in network speed or latency. POER-101 is powered by a PoE network switch (or PoE Injector) at their supplied power and requires no separate power connection in the middle of the cable, making it simple to connect and power device.



For example, a POER-101 allows an IP camera to be located more than 100 meters away from a POE switch. The switch delivers POE power over the first 100 meters of Cat5/6 cable to the POER-101, and the POER-101 restores the Ethernet signal and forwards remaining POE power to the camera. The POER-101 requires no local power supply, and the POER-101 presents no restriction to the camera network connection.

- **Extends the network connection further 100 meters by making use of daisy-chaining capability**



FEATURES:

- Compliant with IEEE 802.3af Power over Ethernet
- Extends Ethernet cable installations for another 100 meters
- Forwards both data and PoE power to remote devices
- Automatically detect and protect PoE device from incorrect installation
- Daisy-chain multi units configuration support
- No external power cable is required
- 10/100Mbps Ethernet Wire Speed
- Plug-and -Play

LAN INTERFACE:

- Simple to install – Plug & Play
- IEEE 802.3x, Auto-Detection for 10/100BaseT and full/half duplex
- Standard Straight-through, or Cross-over CAT 5/6 cable
- Automatic MDIX function
- RJ-45 Connector x 2: IN and OUT

POWER:

- IEEE 802.3af Compliant with voltage within 44-57Volt for 48VDC
- Typical at 2 watt and Maximum Power Dissipation: 2.5 Watts
- Power loss in the transmission of LAN and POE(Please see table below)

LED INDICATORS:

- PD: Power(Link) PD: Data/Act
- PSE: Link(provide power) PSE: Data/Act

REGULATIONS & APPROVALS

- FCC Rules Part 15
- CE

PHYSICAL DIMENSION

- 130 x 77 x 24 mm (L x W x H)
- 0.22kg

OPERATING ENVIRONMENT

- Temperature: 0 ~ 45 degree C
- Storage Temperature: -20 to 90 degree C
- Humidity: 5% to 95% non-condensing

Connect with Standard 15.4WPSE

End to end distance	100m	200m	300m	400m	500m
Daisy-Chaining (POER-101)	0	1	2	3	N/A
Power Available		≤ 10.9 W	≤ 6.5 W	≤ 3.84 W	Data only No power

Connect with Hi-Power 30W PSE

End to end distance	100m	200m	300m	400m	500m	600m	700m	800m
Daisy-Chaining (POER-101)	0	1	2	3	4	5	6	7
Power Available		≤ 25.5W	≤ 21W	≤ 16.5W	≤ 12W	≤ 7.5W	≤ 3.84W	Data only No Power

Connect with Hi-Power 40W PSE

End to end distance	100m	200m	300m	400m	500m	600m	700m	800m	900m
Daisy-Chaining (POER-101)	0	1	2	3	4	5	6	7	8
Power Available		≤ 28W	≤ 25.5W	≤ 21W	≤ 16.5W	≤ 12W	≤ 7.5W	≤ 3.84W	Data only No Power

Note: These distances are typical results when used with standard 24AWG Cat5, Cat5e or Cat6 cable. Actual limits depend on cable and device characteristics and may not be necessarily be multiplies of 100 meters.

ORDER INFORMATION

Model Name	Description
POER-101	LAN and PoE Power Extender
POER-101OE	LAN and PoE Power Extender(Outdoor Enclosure IP 65)