

# POER-201 LAN and POE Extender

Depending on power required by remote PoE device, POER-201 LAN & PoE extender can double, triple or even quadruple the normal 100m CAT5 cable run length for 10/100BaseT networks by daisy-chaining units without degradation in network speed or latency. POER-201 is powered by a PoE network switch (or PoE Injector) and requires no separate power connection in the middle of the cable, making it simple to connect and power device.



For example, a POER-201 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 cable to the POER-201, and the POER-201 restores the Ethernet signal and forwards remaining POE power to the camera. The POER-201 requires no local power supply, and the POER-201 presents no restriction to the camera network connection.



## 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 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 1 watt and Maximum Power Dissipation: 2 Watts
- POE IN: IEEE 802.3af Class 0 (Max 12.95 Watts)
- POE OUT: IEEE 802.3af Class 1 or 2 (Max 6.49 Watts)

## LED INDICATORS:

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

## REGULATIONS & APPROVALS

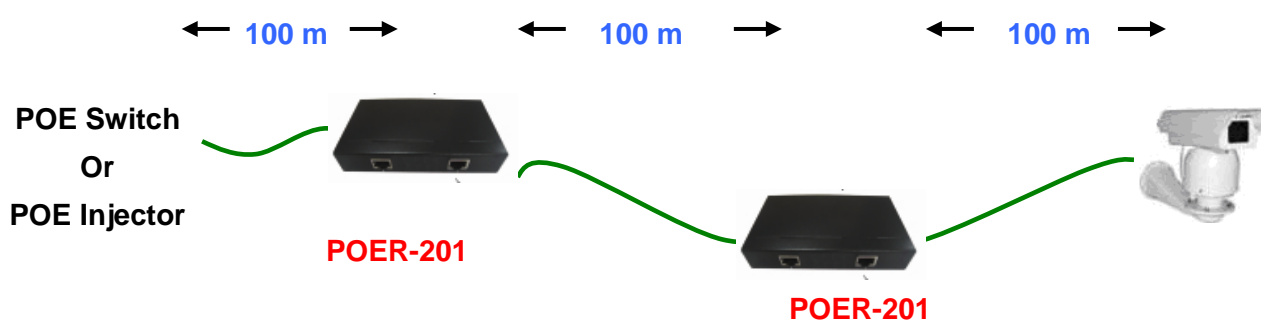
- FCC Rules Part 15
- CE

## PHYSICAL DIMENSION

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

## OPERATING ENVIRONMENT

- Temperature: 0 ~ 50 degree C
- Storage Temperature: -20 to 90 degree C
- Humidity: 5% to 95% non-condensing



Maximum Range:

POE PD device class	3 or 0	2	1	(None POE)
Device power up to:	12.95W	6.49W	3.84W	N/A
Range with Standard PSE switch:	N/A	300m	400m	700m
Range with Hi-Power PSE switch:	300m	500m	700m	1000m
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 multiples of 100 meters.				

## ORDER INFORMATION

Model Name	Description
POER-201	LAN and PoE Power Extender