



Long Range PoE Extender over UTP

The LRP-600U-Kit comprises of the PoE transmitter and receiver units and provides a cost effective solution for extending PoE / IP transmission, in excess of the standard 90m. By adopting innovative technology, the range of these units extends 802.3af/at compliant Power and Ethernet transmission up to 600 metres over UTP cable and provides an RJ45 PoE interface for the PD.

Features

- Long Range PoE Extender over UTP up to 600m*
- One to One Application
- 25 Mbps full duplex data speeds
- High Reliability
- Wide Operating Temperature range
- PoE (Power-over-Ethernet) to IEEE 802.3af/at Standard
- High Density 19" Rack mount compatible options



Transmitter (Network Side)



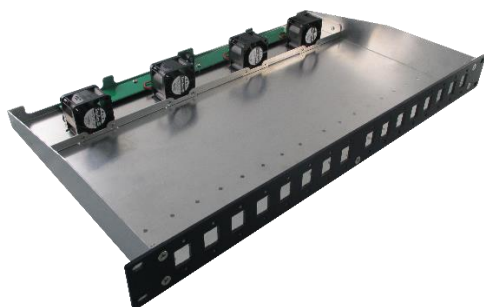
Receiver (Camera Side)

Application

Allows a single UTP (Cat 5e/6) cable to be used as the extended transmission link.



High Density 19" 1RU Rack mountable Options



One to One Rack
Up to 16 Cameras per 1RU 19" Rack



Specifications

Electrical Specifications		
	Transmitter (Network Side)	Receiver (Camera Side)
Model	LRP-600U-T	LRP-600U-R
Standard	IEEE 802.3af/IEEE 802.3at	
Data Speed	25 Mbps Full Duplex	
Ethernet Cable	Up to 100m	Up to 100m
Transmission Distance	Up to 500m* @ 25mbps	
PoE Voltage Input	IEEE802.3af/at, 44-57VDC 60W Max	37-57VDC 30W Max
PoE Consumption	2W (Typical)	2W (Typical)
Interface		
Ethernet	RJ-45 Power + Data (PoE In)	RJ-45 Power + Data (PoE Out)
Extended Port	RJ-45 Power + Data (PoE Out) Uses 8 wires	RJ-45 Power + Data (PoE In) Uses 8 wires
DC Input	DC Jack (2.1 x 5.5mm) 48-56VDC input	1 DC Jack (2.1 x 5.5mm) 48-56VDC input
Mechanical and Environment Specifications		
Dimension	56 (L) x 42 (W) x 22 (H) mm	48 (L) x 42 (W) x 29 (H) mm
Weight	131g	120g
Operating Temperature	-10 ~ +60 Degree C	-10 ~ +60 Degree C
Operating Humidity	10 ~ 80% (non-condensing)	
Certification	CE, FCC, C-Tick	

* Actual Distance depends on type of CAT5/6 cable, power source and termination method used and site specific noise environment encountered. Local power can be used for higher power devices to extend range.

**Specifications subject to change without notice.

Revision 1.1

Ordering Information

ORDER INFORMATION	
LRP-600U-KIT	1 Transmitter, 1 Receiver (PoE Powered)

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