PoE World

World Class
Injectors Switches Splitters
Extenders Testers

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POE-Extender

For passive PoE devices

Product Description – Passive 10/100 PoE Extender

This device extends PoE power and data for 100 meters past the standard. It allows power to be carried on 10/100 network cables and have that power and data extended another 100 meters. Compatible with Passive PoE switches or injectors with any CAT5e, CAT6 or CAT7 Ethernet network cable.

Intended for use with passive injectors or switches – this pass thru PoE solution uses some of the power to rebuild each data packet for error free retransmission another 100 meters. It is a compact and cost effective power solution. The PoE source supplies between 15 and 56 volts DC at the source location. 13 watts in delivers 12.5 watts out. Repeat each 100 mtr as needed. See http://poe-world.com/calculator to determine maximum distances. 24v systems might need our 29 volt injector to operate beyond 200 meters if the load is more than 6watts. The use of CCA Ethernet cable is not recommended.

The PoE source can send either voltage polarity, and only 2 pairs are required. See also our GAT-Extender for gigabit speeds, and our UPoE models for power to 50 watts. See our AT-Extender for 802.3af applications at greater distances.

The device is symmetrical – either side can be used as the input or output.

Specifications

Power and data source	RJ 45 PoE in – male or female
Data speed	10/100
Power and data output	RJ45 PoE out – male or female
Input Voltage Max	Up to 57 volts
Power usage	500 mw, always on
PoE Passthru	Passive, 10v to 56v , mode A or mode B
Internal power use	500 mw
Operating Temperature	0°C - 50°C
Ethernet switch	IP175G as a 2 port, 802.3u fast low power switch
Vlan Support	Transparent
Size	95 x 24 x 31 mm plus 24 cm Ethernet cable.
PoE Power input Pins	Any combination of pins – either polarity – mode A or mode B
PoE Power output pins	Any combination of pins – either polarity – mode A or mode B
802.3af / 802.3at	Will not work – please see AT-Extender (or open case and remove the passive mode jumper)
LED status on Female RJ45	2 LEDs – one for each port to show an Ethernet connection