PoE Extenders for Data and Power up to 2000 Feet

Low cost option to power and connect your IP devices beyond 100m

The PoE Extender series extends Power over Ethernet far beyond the standard reach. Providing the solution for long-reach data transfer from switch to IP device, the Extender series is best suited for the enterprise environment.

The Extenders deliver 100 Mbps, full duplex data rate. Compatible with both existing PoE and non-PoE switches, the Extenders fit easily into an existing infrastructure to help extend PoE over the standard 100 meter range.
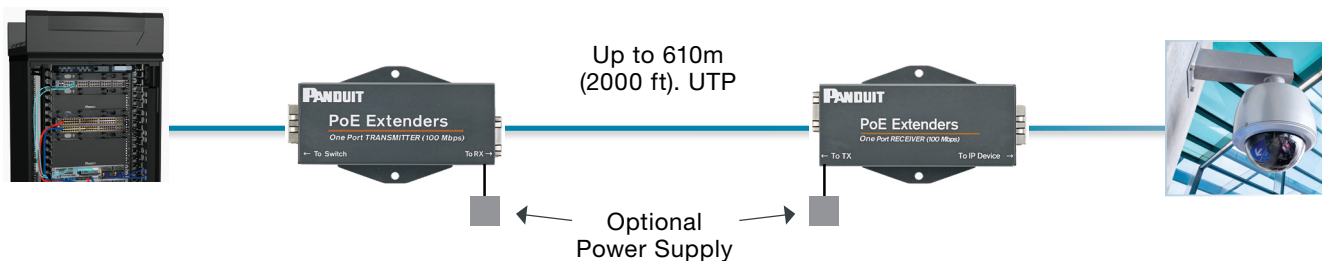
KEY FEATURES AND BENEFITS

RJ45 interface:	Extenders make it easy for field terminations of four pair copper cable being used to transmit PoE
4-port option:	Provides power and data in scenarios like entry way applications to power cameras, access card readers, and VoIP phones
Doubles as PoE injectors:	Optional external power supply option helps to inject power into channel when non-PoE switch is being used
Low cost per IP device run:	Reduce your installation and material costs for runs longer than 100m by eliminating IDF stops or running fiber cable to connect devices

APPLICATIONS

PoE Extenders are best suited for providing power and 100Mbps data to IEEE 802.3af/at compliant devices such as cameras, VoIP phones, access card readers, PoE lights and others at a distance beyond the standard 100m channel.

Extending data and power transfer up to 610m (2,000 ft.), the Extenders Series is an optimal solution for PoE connectivity in enterprise environments. A potential 10 million IP cameras need extended reach. The traditional way in doing this is either too many costly Industrial Distribution Frames (IDF) stops along the way, or choosing the route of backbone fiber. This puts the switch closer to the end device or requires the use of a media converter. PoE Extender Series saves half the cost while still reaching up to 610m of uninterrupted data transfer between switch and IP device.^

1-Port Architecture

Up to 610m (2000 ft). UTP

Optional Power Supply

ORDERING INFORMATION

Part Number	Part Description
1-Port PoE Extender Kit – POEXKIT1-NP	
POEXKIT1	1-port transmitter box
PoE Extender Transmitters	
POEXTX1	1-port transmitter box
PoE Extender Receivers	
POEXRX1	1-port receiver box
Field-term Plugs	
FP6X88MTG	RJ45 Plug, 4-pair, Category 5e, 6, 6A compatible
UTP Copper Cable	
PUR6C04BU-U	Category 6 Riser (CMR) 1000 ft., carton
PUP6C04BU-W	Category 6 Plenum (CMP), 1000 ft., carton
PUP6C04BU-WZ	
PUO6C04BL-CEG	Category 6 Outside Plant (OSP) 1000 ft., reel
UTP Patch Cords	
UTPSP*Y^	Category 6, UTP with TX6™ Modular Plugs
UTP Jack Module	
CJ688TG^^	Category 6, RJ45, UTP Mini-Com®
Tools and Accessories	
EGJT-1	Used for terminating FP6X88MTG in the field

*Foot Lengths: 1 to 20 feet (every 1 foot), 25, 30, 35, 40 feet
^Colors other than Off White: BL (Black), BU (Blue), GR (Green), RD (Red),YL (Yellow), OR (Orange) or VL (Violet)
^^Colors other than Black: BU (Blue), WH (White), IG (International Gray), RD (Red), OR (Orange), GR (Green), YL (Yellow), VL (Violet)

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