

# TL-PE-30W

1G Ethernet PoE Extender - 30W



The ENET TL-PE-30W is designed to extend connection distances from a PoE source to an output device another 100 m (328 ft.) via twisted pair cable. You can cover even longer distances by cascading these extenders on a network. The TL-PE-30W does not need any additional power supply, as it draws the power it needs from the PoE input.

You can daisy-chain multiple of the TL-PE-30W to increase the transmission distance even further. For each PoE extender added, you lose about 4 watts of usable PD power, but if you start with a device that outputs 30 watts of IEEE 802.3at power then you still have 8.6 watts for your PoE device, 5 TL-PE-30Ws down the line and 600 meters (1968 ft.) away.

## Instructions

1. Plug a twisted pair cable — up to 100m (328 ft) long — from your powered source device (for example, a PoE injector or switch) into the PoE In connector on the extender/repeater.
2. Plug a second twisted pair cable — also up to 100m (328 ft) long — from the device you want to transmit power and data to (for example, a PoE network camera) into the PoE Out connector on the extender/repeater.

## LEDs

PoE (Yellow) – Port is linked to a PSE/PoE device when lit; no PSE/PoE device is linked when unlit.

Data (Green) – Valid port connection when lit; data transmitted/received when blinking; no link established when unlit.

## Distance Chart

Number of Extenders	Total Max Distance	Max Watts for PD
1	200m (656 ft)	25
2	300m (984 ft)	20
3	400m (1312 ft)	15
4	500m (1640 ft)	10

## Additional Functionality

If your connected device is not PoE compliant, this extender/repeater can still be used to extend data-only transmission distances. The two holes on the base of the housing allow you to screw the extender/repeater in place to help maintain secure cable connections.

