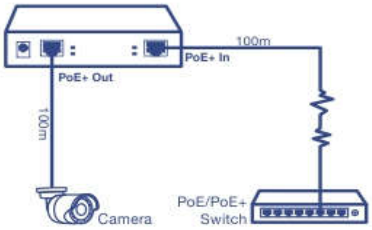


Gigabit PoE+ Extender/Amplifier

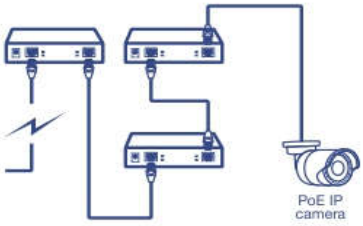
TPE-E110 (v2.0R)

- Easy installation
- Extends 100m for a total distance of up to 200m (656 ft.)
- Daisy chain up to 5 units for a total PoE+ network extension of 600m (1,968 ft.)*
- PoE/PoE+ powered
- Wall mountable
- Durable metal housing

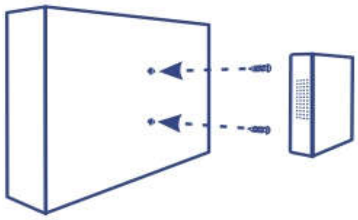
TRENDnet's Gigabit PoE+ Extender/Amplifier, model TPE-E110, takes a single PoE+ connection and extends it an additional 100m (328 ft.) for remote PoE/PoE+ device installation. The TPE-E110 auto-detects a PoE (15.4W) or PoE+ (30W) connection and extends it for a total distance of up to 200m (656 ft.) from the power sourcing equipment. Daisy chain up to 5 units for a total PoE+ network extension of 600m (1,968 ft.) *. The extended range and convenient wall mounting design allows for greater installation flexibility.



PoE Powered
Extends a single PoE+ network connection up to 100m (328 ft.) for a remote PoE (15.4W) or PoE+ (30W) device installation.

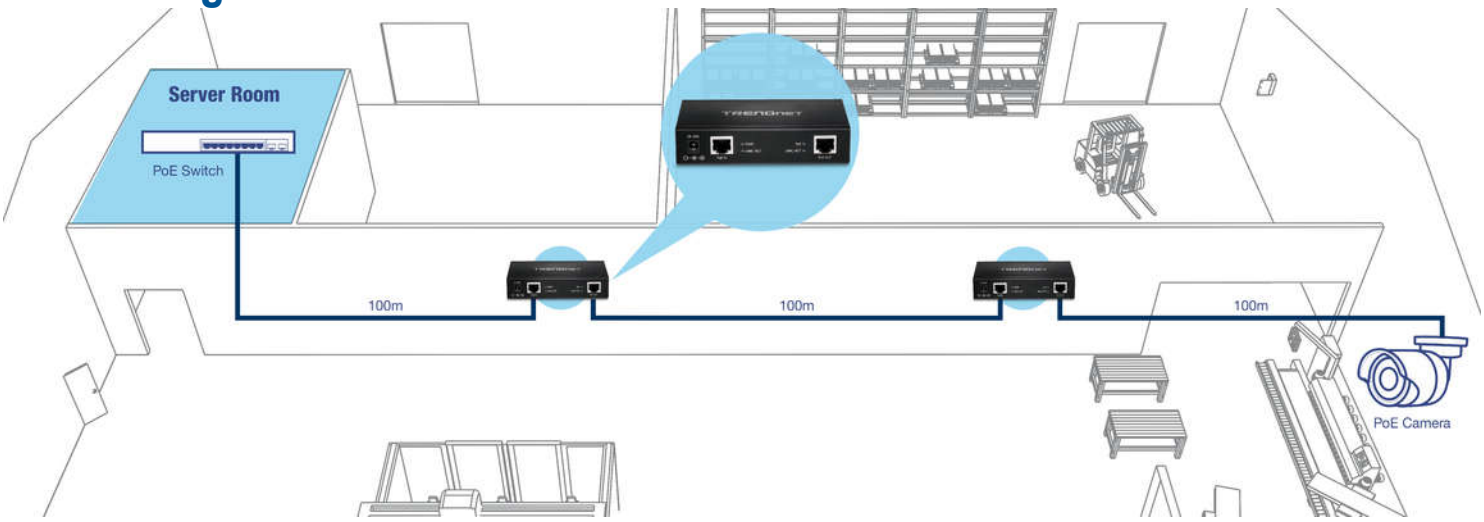


Daisy-Chainable
Daisy-chain up to 5 units for a total PoE+ network extension of 600m (1,968 ft.) *.



Wall Mountable
Features a convenient wall mountable design for greater installation flexibility.

Networking Solution



Extension Distance
Extends a PoE/PoE+ network connection an additional 100m for a total distance of up to 200m (656 ft.) from the PoE power source equipment

PoE/PoE+
Auto-sensing technology conveniently delivers the correct wattage needed to power your PoE (15.4W) or PoE+ (30W) device

Gigabit Ports
Features one gigabit PoE+ input port and one gigabit PoE+ output port

Daisy-Chain
Connect up to 5 units for a PoE+ network extension of up to 600m (1968 ft.)

PoE Powered
No AC adapter required – this PoE extender is powered via a PoE switch or injector

LED Indicators
LED indicators convey Link, Activity, Power, and PoE status

Specifications

Standards	• IEEE 802.3 • IEEE 802.3u • IEEE 802.3x • IEEE 802.3ab • IEEE 802.3az • IEEE 802.3af • IEEE 802.3at
Device Interface	• 1 x Gigabit PoE/PoE+ in port • 1 x Gigabit PoE/PoE+ out port • 1 x Power port (optional power adapter model name 54VDC0700 sold separately) • LED indicators
Data Transfer Rate	• Ethernet: 10Mbps (half duplex), 20Mbps (full duplex) • Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex) • Gigabit: 2000Mbps (full duplex)
Performance	• RAM buffer: 128KB • MAC Address Table: 2K • Jumbo Frame: 9K
Special Features	• Extends a PoE/PoE+ network connection an additional 100 meters for a total distance of up to 200m (656 ft.) • Daisy-chain up to 5 units* without optional power adapter • Wall mountable

Daisy Chain

Number of Daisy Chains from PSE	Max. PoE output (approx.) Without optional power adapter
• 1 (up to 100m)	• 30W input: 24.5W • 15.4W input: 12W
• 2 (up to 200m)	• 30W input: 19.6W • 15.4W input: 8.5W
• 3 (up to 300m)	• 30W input: 15.5W • 15.4W input: 6.5W
• 4 (up to 400m)	• 30W input: 11.9W • 15.4W input: 4W
• 5 (up to 500m)	• 30W input: 9.9W • 15.4W input: N/A

Number of Daisy Chains from PSE	Max. PoE output (approx.) With Optional power adapter
• 1 (up to 100m)	• 30W input: 24.5W • 15.4W input: 12W
• 2 (up to 200m)	• 30W input: 19.6W • 15.4W input: 8.5W
• 3 (up to 300m)	• 30W input: 15.5W • 15.4W input: 6.5W
• 4 (up to 400m) Add power adapter	• 30W input: 24.5W • 15.4W input: 12W
• 5 (up to 500m)	• 30W input: 19.6W • 15.4W input: 8.5W
• 6 (up to 600m)	• 30W input: 15.5W • 15.4W input: 6.5W
• 7 (up to 700m) Add power adapter	• 30W input: 24.5W • 15.4W input: 12W
• 8 (up to 800m)	• 30W input: 19.6W • 15.4W input: 8.5W
• 9 (up to 900m)	• 30W input: 15.5W • 15.4W input: 6.5W

PoE	• PoE Mode A: Pins 1,2 for power and pins 3,6 for power • PD auto classification • Over current/short circuit protection
Power	• Powered via PoE/PoE+ switch or injector • Max. consumption: 1.6W
Optional Power Adapter	• Input: 100 – 240V AC 50/60Hz, 1.2A • Output: 54V DC, 0.7A • Max. consumption: 32W (with use of power adapter sold separately)
Operating Temperature	• 0° – 40° C (32° – 104° F)
Operating Humidity	• Max. 90% non-condensing
Dimensions	• 121 x 75 x 26mm (4.77 x 2.95 x 1 in.)
Weight	• 242g (8.5 oz.)
Certifications	• CE • FCC
Warranty	• 3 year

PACKAGE CONTENTS

• TPE-E110
• Quick Installation Guide

* Optional power supply required to daisy chain more than the suggested number of units.

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