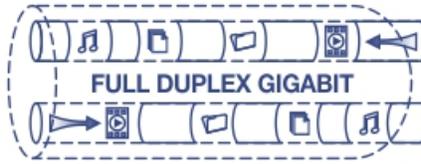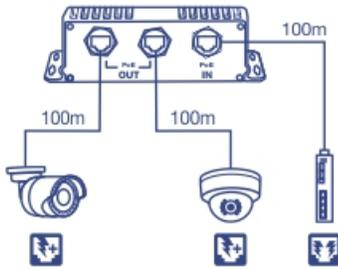# TRENDNET®

2-Port Industrial Outdoor Gigabit UPoE Extender

TI-EU120 (v1.0R)

- Easy installation
- Extends 100m for a total distance of up to 200m (656 ft.)
- Daisy chain up to 4 units for a total PoE network extension of up to 500m (1640 ft.) *
- Use a single UPoE connection to extend PoE for up to two devices
- Supports PoE (15.4W), PoE+ (30W), UPoE (60W) devices
- Wide operating temperature range of -40°– 75° C (-40° – 167° F)
- IP67 outdoor weather rated housing
- No external power adapter required
- Built-in True Surge 6kV Protection

TRENDnet's 2-Port Industrial Outdoor Gigabit UPoE extender, model TI-EU120, takes a single UPoE connection and extends it an additional 100 meters (328 ft.) for up to two PoE+ devices. It auto-detects a PoE (15.4W), PoE+ (30W), or UPoE (60W) signal and extends it for a total distance of up to 200 meters (656 ft.) from the PoE source. Daisy chain up to 4 units for a total PoE network extension of up to 500 meters (1640 ft.). This outdoor UPoE extender features a single UPoE input port and two PoE+ output ports encased in an IP67 weather rated housing. Built-in voltage booster guarantees stable voltage output for your high powered PoE devices.

UPoE Power

Extends a UPoE connection up to 100 meters (328 ft.) to PoE (15.4W), PoE+ (30W), and UPoE (60W) devices**
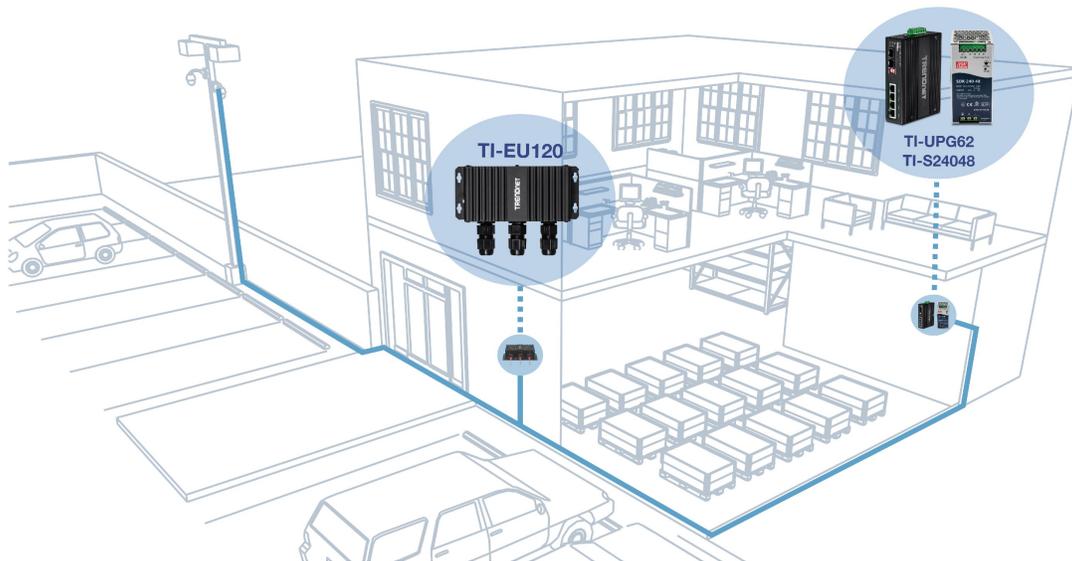
Gigabit Ports

Features one gigabit UPoE input port and two gigabit PoE+ output ports that extends a single UPoE connection an additional 100 meters (328 ft.) to two PoE+ devices.

Outdoor Rated

Built for outdoor environments with an IP67 weather rating and an operating temperature range of -40°– 75° C (-40° – 167° F).

Networking Solution

TRENDnet®

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

PoE/PoE+/UPoE
Auto detects a PoE (15.4W), PoE+ (30W), and UPoE (60W) network connections

Gigabit Ports
1 x gigabit UPoE input port, 2 x gigabit UPoE output ports, and 64W PoE budget with 95W UPoE input

1 x gigabit UPoE input port, 2 x gigabit PoE+ output ports, and 46W PoE budget with 60W UPoE input

Daisy Chain
Connect up to 4 units for a PoE network extension of up to 500m (1640 ft.).*

PoE Powered
No external power required—saves installation time and cost

Outdoor Ready
Rugged IP67 outdoor weather rated housing

Specifications

Standards	- IEEE 802.3 - IEEE 802.3u - IEEE 802.3x - IEEE 802.3ab - IEEE 802.3af - IEEE 802.3at - IEEE 802.3bt draft
Device Interface	1 x IP67 weather rated gigabit UPoE input port 2 x IP67 weather rated gigabit UPoE output ports - 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: 1MB - MAC Address Table: 8K - Jumbo Frame: 10KB
Special Features	- IP67 rated housing - Wall mountable - UPoE support
Power	- PD power input: 30W/60W/95W - PoE 15W/30W/60W per PSE - PoE Budget: 64W Max. - Consumption: 3W Max. (without PoE)

PoE Power Output	PoE Input	Max PoE Output
	• 95W	• 64W
	• 60W	• 46W
	• 30W	• 22W

Single Port Daisy Chain	Number of Daisy Chains From PSE	Max. PoE Output
	• 1 (up to 100m)	• 95W Input: 64W
		• 60W Input: 46W
		• 30W Input: 22W
	• 2 (up to 200m)	• 95W Input: 45W
		• 60W Input: 34W
		• 30W Input: 16W
	• 3 (up to 300m)	• 95W Input: 35W
		• 60W Input: 28W
		• 30W Input: 7W
	• 4 (up to 400m)	• 95W Input: 29W
		• 60W Input: 22W
		• 30W Input: 0W

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Specifications

Operating Temperature	• -40° – 75° C (-40° – 167° F)
Operating Humidity	• Max. 95% non-condensing
Dimensions	• 165 x 62 x 112mm (6.5 x 2.4 x 4.4 in.)
Weight	• 834g (29.4 oz.)
Certifications	• CE • FCC EN60950-1 • IEC 60068-2-27 (Shock) • IEC 60068-2-32 (Freefall) • IEC 60068-2-6 (Vibration)
Warranty	• 3 year
Package Contents	• TI-EU120 • 3 x IP67 weather rated cable glands • Wall mount screws • Quick installation guide

* Each additional extender added to the daisy chain will decrease the overall available PoE budget.
** To obtain the maximum PoE budget of 64W, the PoE extender must be powered by a 95W UPoE device.

Updated: 11/21/2017