2-Port Industrial Outdoor Gigabit PoE++ Extender

TI-EU120 (v2.xR)

- Easy installation
- Extends 100m for a total distance of up to 200m (656 ft.) for PoE and non-PoE devices
- Daisy chain up to three units for a total PoE network extension of up to 400m (1,312 ft.)*
- Use a single PoE++ connection to extend PoE for up to two devices
- Supports PoE (15.4W), PoE+ (30W), and PoE++ (60W) devices
- Extreme operating temperature range of -40°– 75° C (-40° – 167° F)
- IP67 outdoor weather rated housing
- Built-in 6kV Surge Protection
- No external power adapter required
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 2-Port Industrial Outdoor Gigabit PoE++ Extender, model TI-EU120, takes a single PoE++ connection and extends it up to an additional 100m (328 ft.) for up to two PoE devices. Daisy chain up to three industrial PoE++ extenders for a total PoE+ network extension of 400m (1,312 ft.) away from the PoE+ power source equipment. The industrial PoE+ extender conveniently auto-detects a PoE, PoE+, or PoE++ connection, and features a rugged IP67 waterproof enclosure for installation flexibility. This PoE++ extender supports a single PoE++ input port, and two PoE output. A built-in voltage booster guarantees stable voltage output for your high-powered PoE devices.

PoE++ Power

Extends a PoE++ connection up to 100 meters (328 ft.) to PoE (15.4W), PoE+ (30W), and PoE++ (60W) devices or non-PoE devices **

Daisy Chainable

Daisy chain up to three industrial PoE++ extenders for a total PoE++ network extension of up to 400m (1,312 ft.).

Industrial Grade Design

Built for industrial network environments, with an IP67 enclosure rating, and an extreme operating temperature range of 40°– 75° C (-40° – 167° F).

FEATURES

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

Daisy Chain
Connect up to three units for a PoE network extension of up to 400m (1,312 ft.)*

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

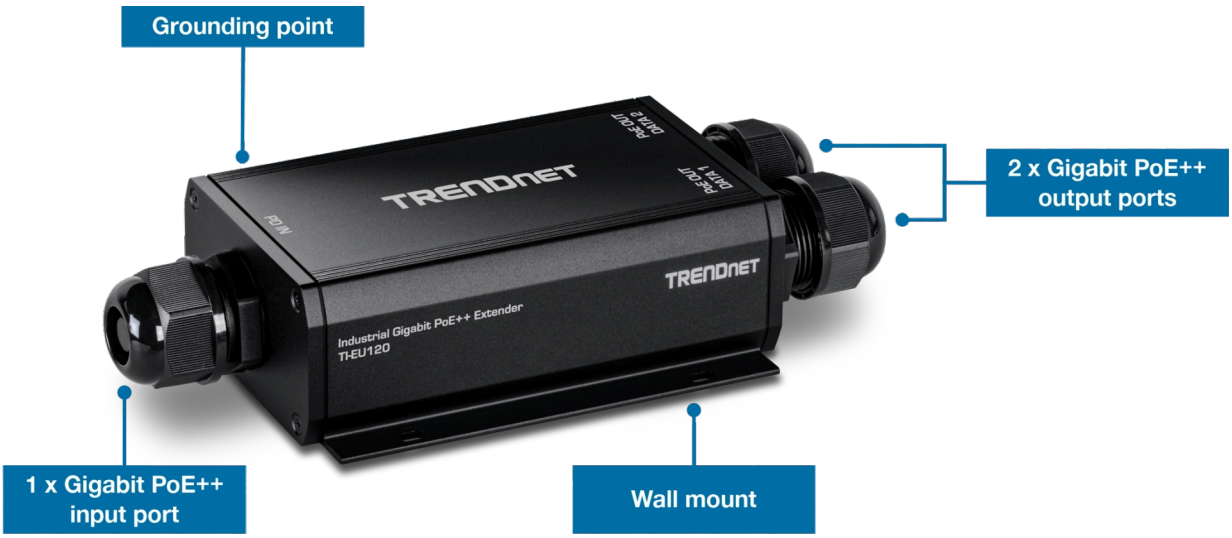
Gigabit Ports
1 x Gigabit input port, 2 x gigabit output ports, and 75W PoE budget with a 95W input

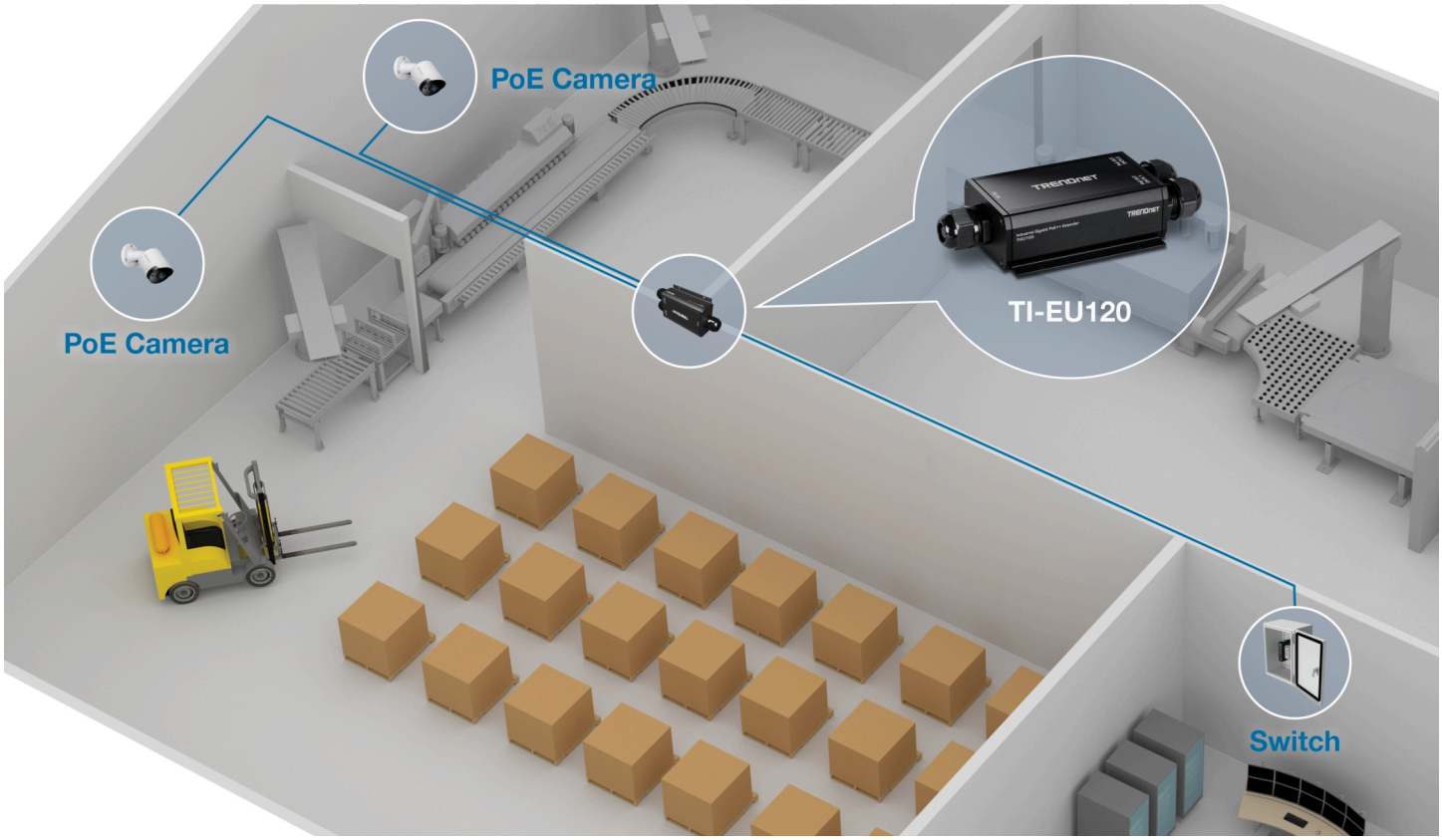
Outdoor Ready
Rugged IP67 outdoor weather rated housing

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

LED Indicators
LED indicators on this outdoor PoE+ extender convey status

NETWORKING SOLUTION





SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3bt (Type 3) 60W / (Type 4) 95W

Device Interface
- 1 x Gigabit PoE++ input port
- 2 x Gigabit PoE++ output ports
- LED indicators

Data Transfer Rate
- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2Gbps (full duplex)

Performance
- RAM Buffer: 256KB
- MAC Address Table: 2K
- Jumbo Frame: 9KB

Enclosure
- IP67 rated waterproof
- Tool-less design
- Wall mountable

MTBF
- 2,970,357 hrs @ 25° C

Power
- PD power input: 802.3af 15.4W / 802.3at 30W / 802.3bt (Type 3) 60W or (Type 4) 95W
- PoE Power Output: Up to 75W (max.)*
- 6kV Surge Protection
- Max. consumption:6W (without PoE)

Maximum PoE Power Output Distance*

PoE Input	Number of extenders from PSE / PoE Output
802.3bt 95W Type 4	1 Extender Unit / 56W @ 656ft (200m) max. 2 Extender Units / 36W @ 984ft (300m) max. 3 Extender Units / 26W @ 1,312ft (400m) max.
802.3bt 60W Type 3	1 Extender Unit / 49W @ 656ft (200m) max. 2 Extender Units / 29W @ 984ft (300m) max. 3 Extender Units / 21W @ 1,312ft (400m) max.
802.3at 30W	1 Extender Unit / 24W @ 656ft (200m) max. 2 Extender Units / 17W @ 984ft (300m) max. 3 Extender Units / 12W @ 1,312ft (400m) max.
802.3af 15.4W	1 Extender Unit / 11.5W @ 656ft (200m) max. 2 Extender Units / 10W @ 984ft (300m) max. 3 Extender Units / 9W @ 1,312ft (400m) max.

*Maximum PoE output power based on 802.3bt 90W (Type 4) PSE orPD Input and cable length from PSE to extender is 100m and cable length from extender to PD is 1.5m. Total PoE output power is shared between PoE Out DATA1 and PoE Out DATA2 ports. Daisy chain max. distance values tested at 100m cable lengths from PSE, between extender units, and to PD.

Operating Temperature
- -40° – 75° C (-40° – 167° F)

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 121 x 92 x 41.5mm (4.7 x 3.6 x 1.63 in.)

Weight
- 412g (14.5 oz.)

Certifications
- CE
- FCC
- LVD
- IEC 60068-2-27 (Shock)
- IEC 60068-2-31 (Freefall)
- IEC 60068-2-6 (Vibration)

Warranty
- 3 year

Package Contents
- TI-EU120
- 3 x Removable cable glands
- Wall mount screws
- Quick installation guide

* Each additional extender added to the daisy chain and extended cable lengths will decrease the overall available PoE budget.
** To obtain the maximum PoE budget of 75W, the PoE extender must be powered by a 95W PoE++ PSE device.

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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