

Industrial Waterproof Gigabit PoE+ Extender

TI-OE110 (v1.xR)

- Easy installation
- Extends 100m for a total distance of up to 200m (656 ft.) for PoE and non-PoE device
- Daisy chain up to two units for a total PoE network extension of up to 300m (984 ft.)*
- Supports PoE (15.4W) and PoE+ (30W)
- Extreme operating temperature range of -40°– 75° C (-40° – 167° F)
- IP67 rated waterproof enclosure
- Compact design
- PoE powered – no external power adapter required
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's Industrial Waterproof Gigabit PoE+ Extender, model TI-OE110, takes a single PoE+ connection and extends it up to an additional 100m (328 ft.) for a remote PoE or non-PoE device installation. Daisy-chain up to two outdoor PoE+ extenders for a total PoE network extension of 300m (984 ft.) away from the PoE power source equipment. The industrial outdoor PoE+ extender conveniently auto-detects a PoE or PoE+ connection, and features a rugged IP67 waterproof enclosure for installation flexibility.



PoE Powered

Extends a single PoE/PoE+ network connection up to an additional 100m (328 ft.) for a remote PoE/PoE+ or non-PoE device installation.



Daisy Chainable

Daisy chain up to two industrial PoE+ extenders for a total PoE+ network extension of up to 300m (984 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/PoE+ network connection an additional 100m for a total distance of up to 200m (656 ft.) from the PoE power source equipment

Daisy-Chain
Connect up to two TI-OE110 outdoor PoE+ extenders for a total PoE+ network extension of up to 300m (984 ft.)

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

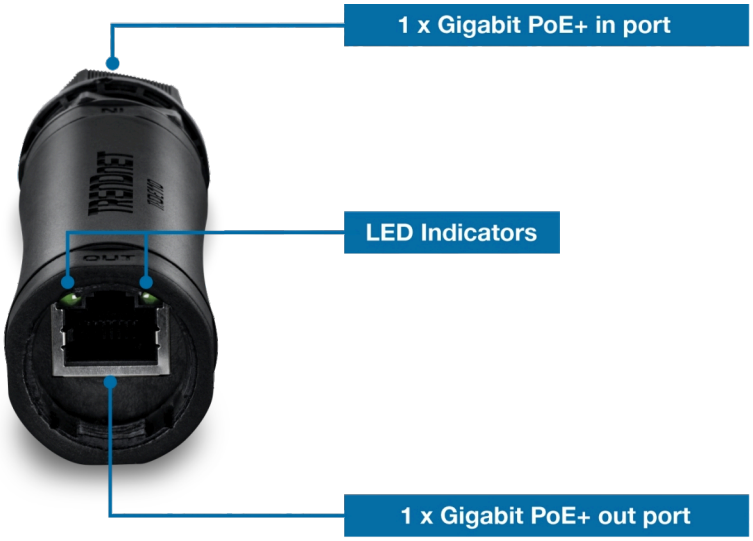
Gigabit Ports
The industrial outdoor PoE+ extender features one gigabit PoE+ input port and one gigabit PoE+ output port

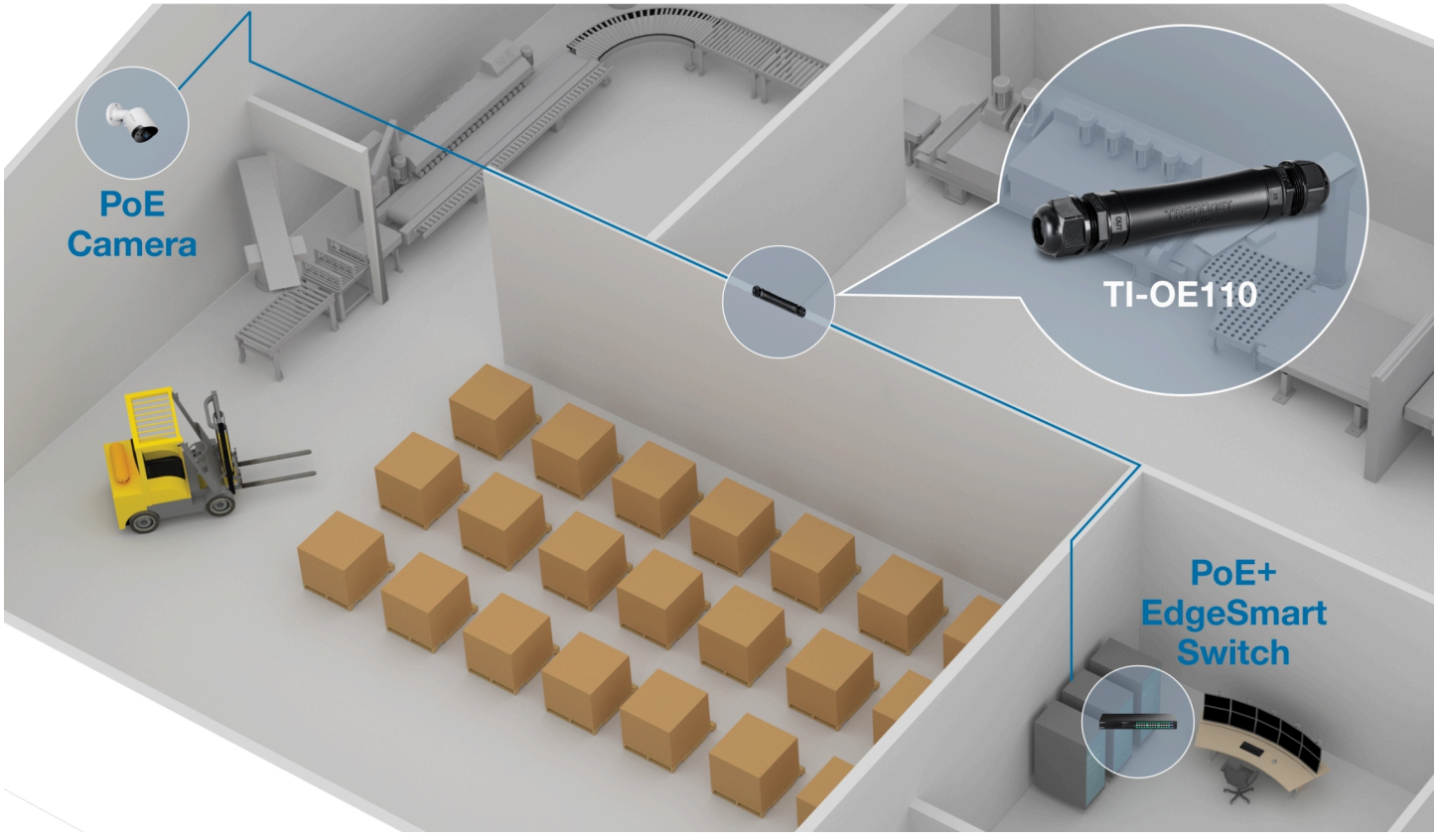
Outdoor Ready
Rugged IP67 outdoor weather rated housing

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

Device Interface
- 1 x Gigabit PoE+ in port
- 1 x Gigabit PoE+ out port
- LED Indicators

Power
- PD Power Input: 802.3af 15.4W / 802.3at 30W
- PoE Power Output: Up to 26W (max.)*
- 6kV Surge Protection
- Max. consumption:1.7W (without PoE)

Maximum PoE Power Output Distance*

PoE Input	Number of extenders from PSE / PoE Output
802.3at 30W	1 Extender Unit / 24W @ 656ft (200m) max. 2 Extender Units / 15.5W @ 984ft (300m) max.
802.3af 15.4W	1 Extender Unit / 12W @ 656ft (200m) max. 2 Extender Units / 10W @ 984ft (300m) max

*Max. PoE output power based on 802.3at 30W PSE or PD Input and cable length from PSE to extender is 100m and cable length from extender to PD is 1.5m.Daisy chain max. distance values tested at 100m cable lengths from PSE, between extender units, and to PD.

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: 128KB
- MAC Address Table: 2K
- Jumbo Frame: 9KB

Enclosure
- IP67 rated
- Tool-less design

MTBF
- 2,517,107 hrs @ 25° C

Package Contents
- TI-OE110
- 2 x Removable cable glands

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

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 165 x 25mm (6.5 x 0.98 in.)

Weight
- 96g (3.4 oz.)

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

Warranty
- 3 year

* 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 26W, the PoE extender must be powered by a 30W 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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