



Rugged Gigabit PoE++ Extender

IEEE 802.3bt (4PPoE) Compliant, One PD Port up to 65 W, Extends PoE from 100 m (328 ft.) to 200 m (656 ft), Daisy-Chainable up to Five Units, IP30-Rated Aluminum Housing, Wall-Mountable

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PoE++ Extender Repeater - double the range of your Gigabit Power over Ethernet connection, even in harsh conditions

The Intellinet Network Solutions Rugged Gigabit PoE++ Extender adds up to 100 m (328 ft.) to the connection distance from a PoE source to one output device via network patch cable. This PoE++ (4PPoE) extender does not need an additional power supply since it draws its power from the PoE input.

Rugged Aluminum housing

This Power over Ethernet extender was designed to give you the network connections you need in places that are less than calm or temperate. With its rugged, IP30-rated aluminum housing, it operates reliably and quietly, which makes it even suitable for indoor industrial applications in Industry 4.0 and more.

Reduced Wiring Costs

It helps avoid the expense of running AC power lines for a wireless access point, network camera, IP phone, or other compatible device. Simply connect the PoE Extender to the LAN switch port through existing Cat5e/6/6a cables to deliver power as well as transfer data.

Power over Ethernet 802.3bt Compliant

The 4PPoE Extender supports the IEEE 802.3bt protocol over four pairs (4PPoE), which allows for a power input of 95 W. It forwards data at Gigabit speeds and offers up to 65 watts to a connected, IEEE 802.3bt-, IEEE 802.3at- or IEEE 802.3af-compliant device. The cable length on both ends can be up to 100 m (328 ft.), bringing the total distance between PoE source and device to 200 m (656 ft.).

Simple Installation

This PoE Extender was designed to be as easy as possible to set up and use. All it takes to have it up and running is to connect its PoE In port to your PoE injector or PoE switch and to connect the PoE Out ports to the PoE devices you want to connect (e.g., a VoIP phone and a PoE network camera).

Cascading Power

For larger deployments, up to five extenders can be daisy-chained to achieve a total PoE distance of up to 600 meters (1968 ft.). This makes it ideal for network cameras, wireless access points, VoIP phones, and other IEEE 802.3bt/at/af-compliant devices in warehouses, factories, campuses, or commercial buildings.

Features:

- Doubles the maximum connection distance between PoE source and device from 100 m (328 ft.) to 200 m (656 ft.)
- Delivers up to 65 W to a connected PoE device
- Rugged IP30-rated aluminum housing to withstand harsh industrial conditions
- Daisy-chain up to five units for a total PoE distance of up to 600 m (1969 ft.)
- Compatible with IEEE 802.3bt/at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Supports 10/100/1000 Mbps data rates
- Auto-sensing PoE awareness to ensure that power is only sent to IEEE 802.3bt/at/af-compliant devices
- Short-circuit, overload and high-voltage protection

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

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- Requires no additional power supply; draws power directly from the PoE input
- Compatible with IEEE 802.3bt/at/af-compliant PoE injectors and PoE switches (PSE)
- Built-in wall-mounting holes
- Supports 2k MAC address entries with Auto-Learning and Auto-Aging
- Fully NDAA-compliant
- For indoor use only
- Three-year warranty

Specifications:**Standards**

- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3at (High-Power PoE+ Power over Ethernet)
- IEEE 802.3bt (PoE++/4PPoE Power over Ethernet)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3ab (1000BASE-T Gigabit Ethernet)

General

- Media support:
 - 10Base-T Cat5e/6/6a UTP/STP RJ45
 - 100Base-TX Cat5e/6/6a UTP/STP RJ45
 - 1000Base-T Cat5e/6/6a UTP/STP RJ45
- Ports:
 - One RJ45 10/100/1000 Mbps PoE input port
 - One RJ45 10/100/1000 Mbps PoE output port
- MAC address table: 2k entries
- Certifications: FCC Class A, CE, RoHS, UKCA, NDAA

Power

- Input power: IEEE 802.3bt/at/af compliant PSE, 95.0 W max., 44.0 - 57.0 VDC
- PD output power: 65.2 W max., 44.0 - 57.0 VDC
- Daisy-chain details:
 - 65.2 W when using one PoE extender @ 200 m (656 ft.) combined cable length
 - 47.0 W when using two PoE extenders @ 300 m (984 ft.) combined cable length
 - 32.25 W when using three PoE extenders @ 400 m (1312 ft.) combined cable length
 - 23.0 W when using four PoE extenders @ 500 m (1640 ft.) combined cable length
 - 17.7 W when using five PoE extenders @ 600 m (1969 ft.) combined cable length

PoE Pinout

- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 4: DC (+)
- Pin 5: DC (+)
- Pin 6: DC (+)
- Pin 7: DC (-)
- Pin 8: DC (-)

Physical

- IP30-rated aluminum housing
- Dimensions (L x W x H): 122 x 38 x 30 mm (4.8 x 1.5 x 1.18 in.)
- Net weight: 110 g (0.24 lbs.)
- Gross weight: 130 g (0.29 lbs.)
- Operating temperature: -10 to 50°C (14 to 122°F)
- Storage temperature: -20 to 60°C (-4 to 140°F)
- Operating humidity: 5 to 95% RH, non-condensing
- Storage humidity: 5 to 95% RH, non-condensing

Package Contents

- Rugged Gigabit PoE++ Extender
- Instructions

