

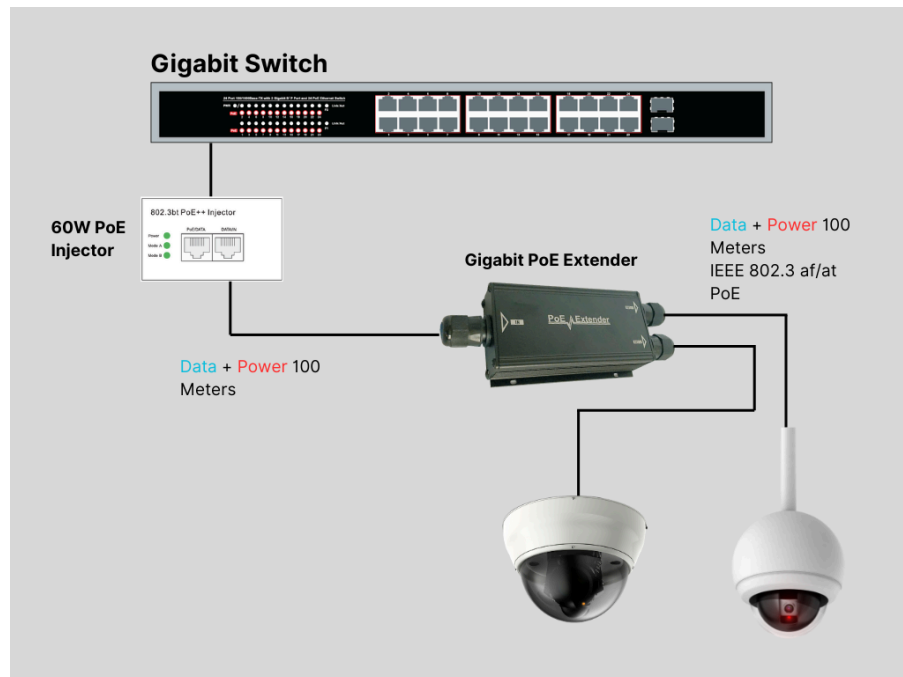
Maximum Distances for Power Sources:

Multiple POE Extenders can be connected every 100 meters to obtain greater distances. The actual figures depend on operating conditions. The range is based on 24 AWG or heavier Cat5e or Cat6 cable.

Examples below are for medium power POE Devices (POE Class 2, <6 watts) and using Gigabit PoE Extenders.

PoE Source	
POE+ Switch or Midspan (802.3at, 50VDC 30W)	PoE++ Switch or Midspan (802.3bt, 54VDC 60W)
Max Distances	
200m	300m

Application:



GIGABIT PoE EXTENDER

1 PoE IN → 2 PoE OUT (60W)

Powering your network infrastructure with efficiency and precision



USER MANUAL

POE-EXT-GDx2-AT

www.tyconsystems.com

Tycon® 2 Port Gigabit Power-over-Ethernet Extender

Order Information

POE-EXT-GDx2-AT Outdoor waterproof Gigabit PoE Extender 1(PoE IN) into 2(PoE OUT)

Description

Ethernet and PoE connections both restrict cable distances to 100 meters between network ports. To overcome this distance limit, network installers can simply connect a PoE Extender in-line with the Cat5e or Cat6 Ethernet cable (Outdoor type).

With Gigabit PoE Extender, PD's (such as IP Security Cameras, wireless access points) can be installed at greater distances than 100 meters from one another. By connecting a PoE Extender for every extra 100 meters of cable, both Ethernet and PoE can be extended to 200 additional meters, depending on the PD's power required and the power source used.

This Gigabit PoE Extender does not require any additional power supply and the connected PD's are fed by a single PoE switch or mid-span, which simplifies installation. It offers two Gigabit Ethernet ports, which are both configured automatically for link speed, duplex and crossover and full-rate network throughput. The POE IN connection is compatible with Mode A or Mode B or 802.3bt PoE Switches (12.36 & 45.78 pinout). Supports IEEE802.3af/at at the POE OUT ports. Total POE OUT power can reach 50W (PoE Switch or PoE Injector is needed to provide IEEE802.3bt 4Pairs(60W)power.)

Features

- Compatible with IEEE802.3af and IEEE802.3at and IEEE802.3bt 4Pairs
- Extends the range of PoE and Gigabit Ethernet an additional 100 meters
No additional power supply is required
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Gigabit full-rate network throughout the entire extended distance
- Wall-mount design
- Easy plug-and-play installation
- Complies with IP66 (rain-proof when used with outdoor waterproof UTP cable).

Specifications:

Item	Description
No. of channels	1 (POE IN) into 2 (POE OUT)
Pass Through Data Rates	10/100/1000 Mbps half/full duplex
Power over Ethernet input	802.3at Mode A or Mode B and 802.3bt 4 pairs
Power over Ethernet Output	Pin Assignment and Polarity: 1/2 (+), 3/6 (-) Output Power: up to 25W per port
Connectors	Waterproof RJ-45, EIA 568A and 568B
Network cables	Outdoor type Shielded category 5 (or higher)
Dimensions	230mm x 90mm x 40mm
Mounting	Wall of shelf
Environment	Indoor or Outdoor, IP66
Environmental Conditions	<ul style="list-style-type: none"> • Operating Ambient Temperature: -25 to 55C • Operating Humidity: 100% • Storage Temperature: -40 to 70 C
Regulatory Compliance	<ul style="list-style-type: none"> • IEEE 802.3af (15.4W) • IEEE 802.3at (30W) • IEEE802.3bt 4Pairs(60W)