

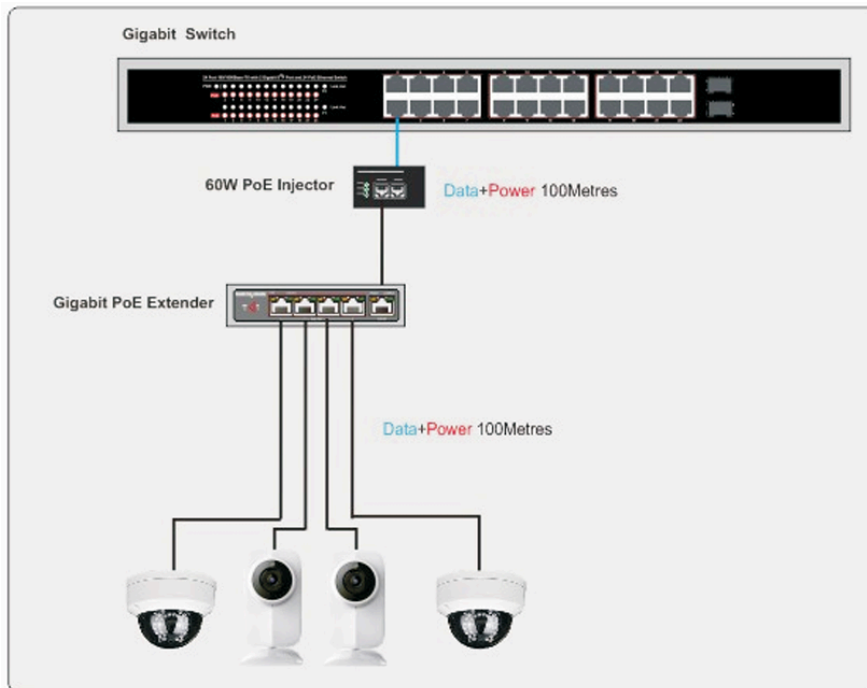
Maximum Distances for Power Sources:

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

Examples 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 90W)
Max Distances	
200m	300m

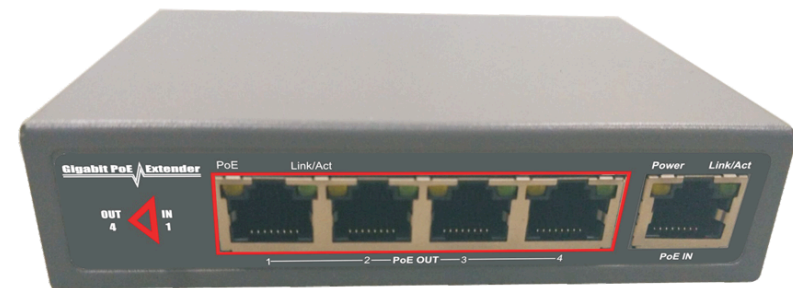
Application:



GIGABIT PoE EXTENDER

1 PoE IN → 4 PoE OUT (90W)

Powering your network infrastructure with efficiency and precision



USER MANUAL

POE-EXT-GDx4-AT

www.tyconsystems.com

Tycon® Gigabit Power-over-Ethernet 4 Port Extender

Order Information

POE-EXT-GDx4-AT Gigabit PoE Extender 1(PoE IN) to 4(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 the 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 requirements and the power source used.

This multiport 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 4 Gigabit PoE Ethernet ports, which are 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 power can reach 72W (PoE Switch or PoE Injector is needed to provide IEEE802.3bt 4Pairs(90W)power.)

Features

- Compatible with IEEE802.3af and IEEE802.3at and IEEE802.3bt 4Pairs
- Extends the range of PoE and Ethernet an additional 100 meters
- No additional power supply is required
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Full-rate network throughout the whole extended distance
- Wall-Mountable design
- Easy plug-and-play installation
- EMI standards complies with FCC, CE class B

Specifications:

Item	Description
No. of channels	1 (POE IN) to 4 (POE OUT)
Pass Through Data Rates	10/100/1000 Mbps half/full duplex
Power over Ethernet Input	Compatible with POE+ 802.3at Mode A or B and POE++ 802.3bt
Power over Ethernet Output	Pinout: 1/2 (+), 3/6 (-) Output Power: up to 72W for 4 PD's (with 90W Input)
Indicators	<ul style="list-style-type: none"> • LED indicators are located on the RJ45 connector • Power indicator: PoE enabled • Powered success: Power • Network indicator: Link/Act
Connectors	Shielded RJ-45, EIA 568A and 568B
Network cables	Shielded category 5e (or higher)
Dimensions	119mm x 85mm x 28mm
Mounting	Wall or shelf
Environment	Indoor or outside in weatherproof enclosure
Environmental Conditions	<ul style="list-style-type: none"> • Operating Ambient Temperature: -20 to 60°C • Operating Humidity: Max 90% Non-Condensing • Storage Temperature:-30 to 70°C • Storage Humidity: Max 95% Non-Condensing
Regulatory Compliance	<ul style="list-style-type: none"> • IEEE 802.3af (15.4W) • IEEE 802.3at (30W) • IEEE802.3bt 4Pairs(60W or 90W)