



## IEEE 802.3at 2.5 Gigabit 30W PoE+ Injector

GP-201IT

### FEATURES

- Complies with IEEE 802.3af, and IEEE 802.3at Power over Ethernet (PoE) Standards
- Adds PoE capability to a non-PoE Ethernet switch or router
- 2.5 Gigabit LAN ports provide high-speed connectivity
- Supplies PoE output 33W to ensure Powered Device (PD) is able to be powered up to 30W
- PoE short circuit protection to safeguard network devices
- Delivers power and data to PoE device from up to 100 meters (328 feet) over a single Ethernet cable
- Reduces installation and equipment costs
- Easy plug-and-play desktop or wall-mounted installation

### OVERVIEW

The Edimax GP-201IT is a Power over Ethernet (PoE) injector that not only delivers a cost-effective solution for power distribution, but also provides a seamless way of deployment on the existing LAN infrastructure. With the use of power injectors, DC power of up to 30W based on the IEEE 802.3at standard and the data that comes from a non-PoE switch or router are merged together and then transmitted to the remote IEEE 802.3af/at compliant products located without power outlet through the Ethernet cabling. Hence, the easy plug-and-play GP-201IT 2.5 Gigabit PoE+ injector preserves your investment in hardware upgrade without the need to purchase extra PoE switches and deploy power cables.

### IEEE 802.3af/at Power over Ethernet Standard

Because of adding the capability of IEEE 802.3af/at Power over Ethernet (PoE) to a non-PoE Ethernet switch or router, the GP-201IT can directly be connected to any IEEE 802.3af/at end-nodes such as speed dome IP cameras, Digital Signage, color touch-screen Voice over IP (VoIP) telephones, multi-channel wireless LAN access points, information kiosk, POS system, and thin client where the IEEE 802.3af/at in-line PoE port is supported.

### Cost Efficiency and Easy Installation

The Power over Ethernet technology enables the Ethernet wire to carry both data and power. Thus, the GP-201IT reduces the need for cable installation and eliminates the need for extension cords, electrical wall outlets, ceiling or any remote, unreachable place for the PoE enabled devices with easy plug-and-play installation. All in all, it lowers the installation costs and simplifies the deployment effort.

### Flexible & Reliable Power Supply

Offering the optional solution for PoE enable devices, the GP-201IT is the perfect addition to existing non-PoE network infrastructures or retrofit projects. Featuring PoE short circuit protection and over circuit protection to safeguard network devices and protect against damage. Supplying the PoE power of up to 30 watts through the four pairs of standard Cat. 5e/Cat. 6 Ethernet cabling.

**PoE Standards and Powered Devices (PDs) Supported**

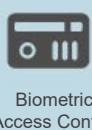
The GP-2011T 2.5 Gigabit PoE+ injector complies with IEEE 802.3at (PoE+) and IEEE 802.3af (PoE) Standards and supports various PoE devices (PDs) up to 30W.

PoE  
802.3af

Up to  
**15.4W**



802.11n  
Access Point



Biometric  
Access Control



IP  
Phone



Thin  
Client

PoE+  
802.3at

Up to  
**30W**



802.11n  
High Power AP



Alarm  
System



PTZ/Speed Dome  
IP Camera



Video  
IP Phone



RFID  
Reader

PoE++  
802.3bt

Up to  
**90W**



802.11ac/ax  
Access Point



Digital  
Signage



Information  
Kiosk



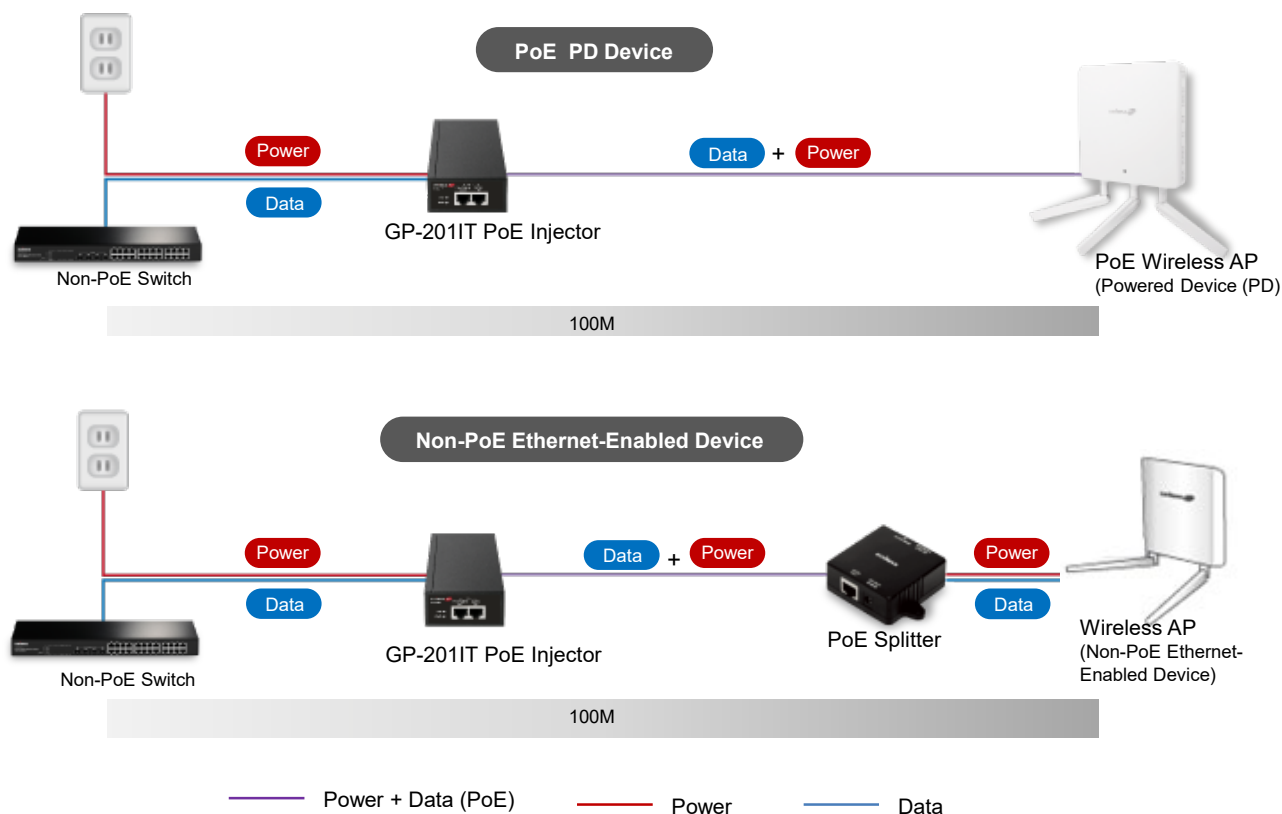
POS  
System



PTZ/Speed Dome  
IP Camera



IEEE802.3at 2.5 Gigabit  
30W PoE+ Injector  
GP-2011T

**APPLICATION DIAGRAM**

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.  
Copyright © 2023 Edimax Technology Co. Ltd. All rights reserved. [www.edimax.com](http://www.edimax.com)

**SPECIFICATIONS****HARDWARE**

Ports	<ul style="list-style-type: none"> <li>• 1 x RJ-45 10/100/1000/2500Base-T input port</li> <li>• 1 x RJ-45 10/100/1000/2500Base-T PoE output port</li> </ul>
LED Indicators	AC Power (PWR) PoE Power
Power Input	100-240V AC, 50-60Hz, 1.5A
Power Consumption	33W (Max.)
Mounting	Wall-mount
Housing	Metal
Fan	Fanless
Dimensions	73(W) x 154(D) x 36(H) mm (2.87 (W) x 6.06 (D) x 1.41 (H) inches)
Weight	485g (1.07lb)

**POWER OVER ETHERNET**

Standard	IEEE 802.3af and IEEE 802.3at
Power Budget	30 Watt
Pin Assignment	Pins 3, 6, 4, 5 (+), Pins 1, 2, 7, 8 (-) Output Power Voltage: 53V DC
Short Circuit Protection	Yes
Over Circuit Protection	Yes
PoE PD Auto Detection	Yes

**OTHERS**

Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3an 2.5GBase-T Gigabit Ethernet IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet Plus (PoE+)
Environmental Condition	<ul style="list-style-type: none"> <li>• Operating Temperature: 32~104°F (0~40°C)</li> <li>• Storage Temperature: -4~158°F (-20~70°C)</li> <li>• Operating Humidity: 10~90% (NonCondensing)</li> <li>• Storage Humidity: 5~90% (NonCondensing)</li> </ul>
Certification	CE, FCC