

AT-6101GP

IEEE 802.3at GIGABIT ETHERNET POE+ INJECTOR

The AT-6101GP is a single port Gigabit PoE+ injector.



IEEE 802.3at Power over Ethernet Injector

The AT-6101GP Power over Ethernet Plus Injector provides data and power through the Ethernet cable to PoE equipped devices, such as access points, IP cameras, VoIP phones and any other equipment supporting the IEEE 802.3at standard.

IEEE 802.3at Detection

The AT-6101GP complies to IEEE 802.3at standard and can detect if the connected device supports IEEE 802.3at and then provides the power to the device. If the injector detects that the connected device does not support IEEE 802.3at, or IEEE 802.3af, then it will not provide the power to the connected device avoiding damages.

Power over Gigabit Ethernet

The AT-6101GP can remotely power the new generation of high performance wireless equipment like access points, cameras and IP Phones with Gigabit Ethernet LAN interfaces.

Main Applications

Sensible cost savings can be achieved using the AT-6101GP PoE+ injector for remotely powering VoIP phones, IP cameras, wireless access points and any other PoE powered device.

There is no need for additional power cabling since the AT-6101GP feeds power to the equipment through the same cable used for data.

Connecting the AT-6101GP Power over Ethernet+ injector to a UPS protected power line easily protects the powered device from power outages.

The AT-6101GP PoE+ injector helps in protecting network investments. In fact there's no need to replace the existing LAN infrastructure for connecting PoE enabled devices.

The AT-6101GP PoE+ injector is usually installed close to the LAN switch but may be installed close to the powered device as a standard power supply.

Key Features

- » Can feed power to Gigabit Ethernet equipment
- » Power over Ethernet Plus injector
- » Remote power feeding application
- » Overload and short circuit protection
- » Mix Ethernet and power into a single LAN cable
- » Deliver power up to 100 meters
- » Light weight and compact size
- » Full IEEE 802.3at compliant
- » Plug-and-Play
- » RoHS and WEEE compliant
- » CE, FCC, GOST, C-Tick approved
- » UL listed
- » Up to 30W Power

AT-610IGP | IEEE 802.3at Gigabit Ethernet PoE+ Injector

Specification

Standards

- » IEEE 802.3 10T Ethernet
- » IEEE 802.3u 100TX
- » IEEE 802.3ab 1000T
- » IEEE 802.3at
- » IEEE 802.3af

Interface

- » RJ-45 Connector for 10/100/1000T Gigabit Cooper Ports

Connector

- » Data in: RJ45
- » Data Pin Out: 1,2,3,4,5,6,7,8
- » Data and Power Out: RJ45
- » Data Pin Out: 1,2,3,4,5,6,7,8
- » Power Pin Out: 1,2,3,6

Switching Scheme

- » Store-and-Forward

Security

- » Network Cable
- 10T: 2-pair UTP/STP Cat 3,4,5 cable EIA/TIA-568 100-Ω (100m)
- 100TX: 2-pair UTP/STP Cat.5 cable EIA/TIA-568 100-Ω (100m) Recommend Cat.5e cable above
- 1000T: 4-pair UTP/STP Cat.5E cable

LED Indicators

- » AC Power x 1
Green light on: Active
off: No Power
- » Feeding Power x 1
Green light on: Powering Remote Device
off: No Power Supplied

Power Supply

- » Rated input voltage: 100VAC~240VAC
- » Rated input frequency: 50~60Hz
- » Rated input current: 0.72A
- » Output voltage: 55VDC POE Output voltage
- » Output current: 600mA POE Output current
- » Output watt: 33W max. POE Output watt
- » Over current protection: Yes

Environmental Specifications

- » Operating temperature: 0°C to 40°C
- » Storage temperature: -20°C to 80°C
- » Humidity Operating: 10 to 90% (non-condensing)
- » Humidity Storage: 10 to 90% (non-condensing)

Physical Specifications

- » Dimensions (W x D x H):
65 x 36 x 140 mm
- » Weight: 300g
- » Case: Plastic Enclosure
- » Flammability: UL94-V0 (PCB)

Power Characteristics

- » Power Consumption: 36W

Quality and Reliability

- » EMI Certifications:
FCC Part 15 Class B
CISPR 22 Class B
EN55022: 2006/A1:2007 Class B
- » Safety Certifications:
UL – USA
CSA or cUL – Canada
CE / EN60950-1
TUV T-Mark – Europe
C-Tick – Australia
- » Immunity: EN55024
- » MTBF
Greater than 116684.85 hrs hours (@25°C)
Followed MIL-HDBK-217F for a ground benign environment (GB)

Environment Compliance

- » Eu-RoHS compliant
- » WEEE
- » China ROHS compliant

Ordering Information



AT-610IGP-xx IEEE 802.3at Gigabit Ethernet PoE+ Injector

- Where xx = 10 US power cord
30 UK power cord
40 AU power cord
50 EU power cord