



AT-6101G

IEEE 802.3af Gigabit Ethernet PoE Injector

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Single port Gigabit PoE injector

IEEE 802.3af Power over Ethernet Injector

The AT-6101G Power over Ethernet 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 802.3af standard.

Using the companion AT-6102G PoE splitter even non-PoE devices can be remote powered with all the benefits of PoE remote powering.

IEEE 802.3af Detection

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

Power over Gigabit Ethernet

The AT-6101G can remotely power the new generation of high performance wireless equipments like IEEE 802.11n access points with Gigabit Ethernet LAN interface.

Main Applications

Sensible cost savings can be achieved using the AT-6101G 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-6101G feeds power to the equipment through the same cable used for data.

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

The AT-6101G 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-6101G 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 equipments
- Power over Ethernet injector
- Remote power feeding application
- 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 802.3af compliant
- Plug-and-Play
- RoHS and WEEE compliant
- CE, FCC, GOST, C-Tick approved
- UL listed

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Technical Specifications

Physical Characteristics

Dimensions: 11.7cm x 6cm x 3.5cm
(W x D x H)
Weight: 180g (0.4 lbs)

Status Indicators (LEDs)

Power feed Green

Power Characteristics

Power: AC100-240V (50/60Hz, +2/-4%),
input current (0.1A)

Power consumption: < 16W

Power feed: 48vDC, 0.35A, 15.4W
IEEE 802.3af Class 3

Environmental Specifications

Operating Conditions

Max temperature: 0°C to 45°C (41°F to 113°F)
Relative humidity: 10% to 90% (non-condensing)

Storage Conditions

Max temperature: 0°C to 70°C (32°F to 158°F)
Relative humidity: 8% to 90% (non-condensing)

Robustness

MTBF: > 180,000 hrs

Interfaces

Data Out

LAN: 10/100/1000T RJ-45 female
Cable: EIA/TIA-568 100-ohm (100m)
10T: 4-pair UTP/STP Cat.3, 4, 5
100TX: 2 and 4-pair UTP/STP Cat.5
1000T: 4-pair UTP/STP Cat.5

Power feed: V+ on pins 1, 2, 4 and 5
V- on pins 3, 6, 7 and 8

Data In

LAN: 10/100/1000T RJ-45 female

Regulatory Approvals

EMI/EMC: FCC Class B, CE
Safety: UL, cUL, CE/EN60950, UL60950, C-Tick,
GOST

RoHS Compliant

Protocols and Standards

IEEE 802.3
IEEE 802.3u
IEEE 802.3ab

Ordering Information

AT-6101G-xx

IEEE 802.3af Gigabit Ethernet PoE injector

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

Associated Products

AT-6102G-00

IEEE 802.3af universal GbE multi-voltage PoE splitter

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617-000296-00 Rev A