



## AT-6101

### Single Port PoE Injector

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#### IEEE 802.3af Power over Ethernet Injector

The AT-6101 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-6102 PoE Splitter even non PoE devices can be remote powered with all the benefits of PoE remote powering.

#### IEEE 802.3af Detection

The AT-6101 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.

#### Main Applications

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

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

The AT-6101 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-6101 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

- 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
- IEEE 802.3af compliant
- Plug-and-Play
- RoHS and WEEE compliant
- CE, FCC, GOST, C-Tick approved
- UL Listed

# AT-6101 | Single Port PoE Injector

## 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 On Green

### Power Characteristics

Power: AC100-240V (50/60Hz, +2/-4%),  
Input current (0.1A)  
Power consumption: < 16W  
Power Feed: 48vDC, 0.35A, 15.4W

### 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: 10/100TX RJ-45 female  
Cable: EIA/TIA-568 100-ohm (100m)  
10T: 4-pair UTP/STP Cat.3, 4, 5  
100TX: 4-pair UTP/STP Cat.5  
Power feed: V+ on pins 4 and 5  
V- on pins 7 and 8

#### Data In

LAN: 10/100TX 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 802.3af

## Ordering Information

### AT-6101-xx

IEEE 802.3af Power over Ethernet Injector

where xx= 10 US Power Cord  
30 UK Power Cord  
40 AU Power Cord  
50 EU Power Cord

## Associated Products

### AT-6102

IEEE 802.3af Universal Multi-voltage PoE Splitter

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617-000210-00 Rev B