



# Power over Ethernet (PoE) Injector

**1 Port, 48 V DC, IEEE 802.3af Compliant**

**Model**  
524179

## Reduce costs by using existing Cat5 cable to provide both power and data.

intro paragraph with INTELLINET NETWORK SOLUTIONS™ Power over Ethernet Injector allows you to connect your IEEE 802.3af-compliant products to a non-PoE LAN switch port. The injector can be used to connect a wireless access point, IP phone, network camera or any IEEE 802.3af powered device (PD) to a switch

### Reduce Wiring Costs

No need to run AC power lines for your wireless access point, network camera or IP phone. Simply connect the PoE Injector to the LAN switch port, and use the existing Cat5 cabling to deliver DC power as well as transfer data.

### Preserve Existing Investments

Does your existing LAN switch not support the new IEEE 802.3af PoE standard? Well, don't let that stop you from realizing the benefits of delivering DC power over the existing Cat5 Ethernet cabling. Use the Model 503389 PoE Injector until you are able to upgrade your LAN switch to a model that supports the IEEE 802.3af PoE standard.

### Protect Your Equipment

Now that you are running DC power to your networked equipment through the Cat5 cabling, you need to be sure that the products are protected from power problems. The PoE Injector was designed to protect equipment from short circuits (short GRND), current overloads (over 450 mA) and high voltages (voltage exceeding 52 V).

### Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.





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## Features

- Ideal when AC power is not available
- Full-power Class 3 PoE design
- Power output of up to 15.4 Watts
- Supports all IEEE 802.3af-compliant PoE devices
  - Wireless LAN access points and bridges
  - Wireless LAN WiFi amplifiers and amplified antennas
  - VoIP (Voice over Internet Protocol) telephones
  - IP surveillance cameras
- Supports IEEE 802.3af detection and short circuit, overload and high-voltage protection
- Lifetime Warranty

## Specifications

### STANDARDS

- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

### GENERAL

- Media support:
  - 100Base-TX Cat5 UTP/STP RJ-45, 8 pin
- Ports:
  - 1 RJ-45 100 Mbps input port
  - 1 RJ-45 100 Mbps data and power output ports
  - 1 power input connector (3 pin)
- Protection functions:
  - Short-circuit protection for short GND
  - Overload protection for currents over 450 mA
  - High-voltage protection for output voltage exceeding 52 V
- Compatibility - general: all IEEE 802.3af-compliant PoE devices
- Supported INTELLINET NETWORK SOLUTIONS products:
  - Fast Ethernet Office Switch (502894)
  - High Power Wireless G Access Point (503082)
  - PoE Splitter (502900)
  - Network Cameras (550796, 550178, 503181, 550253, 550291, 550314, 550307, 550321, 550338, 550345 and 550376)
- Certifications: FCC Class B, Part 15, CE 89/336/EEC

### RJ-45 INPUT CONNECTOR PINOUT

- Pin 1: Rx+ (data receive)
- Pin 2: Rx- (data receive)
- Pin 3: Tx+ (data transmit)
- Pin 4: NC (not connected)
- Pin 5: NC (not connected)
- Pin 6: Tx- (data transmit)
- Pin 7: NC (not connected)
- Pin 8: NC (not connected)

### RJ-45 OUTPUT CONNECTOR PINOUT (DATA + POWER)

- Pin 1: Rx+ (data receive)
- Pin 2: Rx- (data receive)
- Pin 3: Tx+ (data transmit)
- Pin 4: -Vdc\_return (+) (feeding power [+])
- Pin 5: -Vdc\_return (+) (feeding power [+])
- Pin 6: Tx- (data transmit)
- Pin 7: -Vdc (feeding power [-])
- Pin 8: -Vdc (feeding power [-])

### LEDs

- AC Powered (red)
- Channel Powered (green)
- Channel Alarm (red)

### POWER

- Input: 100 – 240 V AC, 50 – 60 Hz
- Output: 48 V DC / 350 mA
- Power consumption: 19 Watts (maximum)

### ENVIRONMENTAL

- Plastic housing (ABS)
- Dimensions: 120 (L) x 50 (W) x 35 (H) mm (4.7 x 2.0 x 1.4 in.)
- Weight: 0.14 kg (0.3 lbs.)
- Operating temperature: 0 – 60°C (32 – 140°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -20 – 85°C (-4 – 185°F)

### PACKAGE CONTENTS

- Power Over Ethernet Injector
- Power cable
- Instruction sheet

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit [www.intellinet-network.com](http://www.intellinet-network.com).



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