

DATA SHEET

Meraki 802.3at Power over Ethernet Injector

Reliable, standard-compliant power for your Meraki devices

Increased Flexibility, Reduced Installation Time and Cost

One of the main limitations in designing your wireless network is the availability of power. Running power cabling is also a primary cost driver of wireless installations. The Meraki PoE injector allows delivery of both data and power to a Meraki access point over a single Ethernet cable, allowing deployment of devices exactly where they are needed to provide the best wireless coverage at a much lower installation cost.

The Meraki 802.3at PoE Injector provides fully compliant 802.3at detection, with disconnect, short-circuit and overload protection to ensure that only 802.3at and 802.3af devices receive power and non-compliant devices are not accidentally damaged. Using this injector, it is possible to power the latest generation of 802.11ac devices which require 802.3at power, as well as providing backward compatibility with legacy 802.11n devices with traditional 802.3af power.

Regardless of the deployment scenario, powering Meraki devices with 802.3at Power over Ethernet is a flexible and low-cost method to simplify the installation process while ensuring that network design is not compromised by power availability limitations.



Product Highlights

- Reduces cost and simplifies installations by eliminating need to provide separate power line
- Increases installation flexibility by powering devices from up to 100 meters away
- Fully IEEE 802.3at standard compliant
- Gigabit compatible
- Power, load detection and fault diagnostics LEDs

Power

Input voltage: 100 to 240 VAC

Maximal input current: 0.8A

AC input frequency: 50-60 Hz

Maximum output power: 30W

Powered device can be up to 100m away from power injector

Data

Compatible with Ethernet 10/100/1000 Mbit/s, full duplex

Environmental

Operating temperature: 0 to 40 °C (32 to 104°F)

Storage temperature: -20 to 70 °C (-4 to 158°F)

Operating humidity: 5 to 93%

Additional features

Short-circuit protection

Physical dimensions

160 mm x 52.5 mm x 35.5 mm (6.3" x 2.06" x 1.4")

Weight: 210 g (0.46 lb)

Mounting

Mounts to walls (anchors and screws not included)

Compatibility

Complies with IEEE 802.3at standard

Backward compatibility with 802.3af MR-series access points

LED indicators

Input power

Detected/connected to valid 802.3at load

Overload state or short circuit

Regulatory

USA: FCC Part 15 Class B

EU: EN55022 Clas B

cUL/US

Warranty

1 year hardware warranty included

Ordering information

MA-INJ-4 Injector Power over Ethernet 802.3at Meraki