

**DATA SHEET**

# Meraki Multigigabit 802.3at Power over Ethernet Injector

## Reliable, standards-compliant power for your Meraki devices

### Increased Flexibility, Reduced Installation Time and Cost

One of the main constraints when designing your wireless network is the availability of power. Running power cabling is also a primary cost driver of wireless installations. The Meraki multigigabit 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 Multigigabit 802.3at PoE Injector provides fully-compliant 802.3at detection, with disconnect, short-circuit and overload protection. This ensures 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 that require 802.3at power delivered via multigigabit interfaces, 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 multigigabit 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 the need to provide separate power line
- Increases installation flexibility by powering devices from up to 100 meters away
- Fully IEEE 802.3at standard compliant
- Supports 10/100/1000BASE-T and 10 Gbps Multigigabit Ethernet
- Power, load detection and fault diagnostics LEDs

**Power**

Input voltage: 100 to 240 VAC

Maximal input current: 1.5A

AC input frequency: 50-60 Hz

Output voltage: 55 VDC

Maximum output power: 30W

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

**Data**

Compatible with Ethernet 10/100/1000 Mbps &amp; 10 Gbps Multigigabit Ethernet

**Environmental**

Operating temperature: -10 to 45 °C (14 to 113°F)

Storage temperature: -40 to 70 °C (-40 to 158°F)

Operating humidity: Maximum 90%

**Additional features**

Short-circuit protection

**Physical dimensions**

166 mm x 87.9 mm x 43 mm (6.53" x 3.46" x 1.68")

Weight: 410 g (0.91 lb)

**Mounting**

Mounts to walls (anchors and screws not included)

**Compatibility**

Complies with IEEE 802.3at standard

Backward compatibility with 802.3af devices

**LED indicators**

Input power

Detected/connected to valid 802.3at load

Power and load detection diagnostic LEDs

**Regulatory**

FCC Part 15 Class B

EN55022 Class B

EN55024

CE, VCCI

UL 60950-1, GS Mark

**Warranty**

1 year hardware warranty included

**Ordering information**

MA-INJ-5-US Meraki Multigigabit 802.3at Power over Ethernet Injector (US plug)

MA-INJ-5-EU Meraki Multigigabit 802.3at Power over Ethernet Injector (EU plug)

MA-INJ-5-UK Meraki Multigigabit 802.3at Power over Ethernet Injector (UK plug)

MA-INJ-5-AU Meraki Multigigabit 802.3at Power over Ethernet Injector (AU plug)