
MT40 Datasheet - Smart Power Controller

Overview

The Cisco Meraki MT40 smart power controller is the latest addition to the MT sensor portfolio. MT40, combined with the rest of the MT family, provides remote visibility into physical conditions and equipment status and power consumption to minimize unplanned downtime, extend equipment lifespan, and benchmark energy usage to quantify sustainability initiatives.

MT40, an inline power monitor, provides insight into power usage, intelligent alerting, and remote control of power status to improve sustainability, speed troubleshooting in remote deployments and streamline operations by enabling a more efficient response to power outages.

Smart sensors. Smarter businesses

Meraki MT sensors accelerate deployment, simplify management, and provide data-driven business outcomes. Wire-free installation, flexible mounting options, and automatic pairing make it easy to provision thousands of sensors in a short amount of time. Centralized cloud management and open APIs enable MT sensors to be managed alongside other networked devices or integrated with any business system.





Product Highlights

- Inline power monitor
- Downstream Power control
- Single pane of glass for sensor monitoring combined with your existing Meraki dashboard
- Always-on, real-time visibility (24/7/365 visibility)
- Flexible alerts via email, SMS, mobile push notifications and Webhooks
- Simple to set up reporting and configuration
- Data mining APIs for custom development and integrations.
- **Multiple installation options**
- Provision multiple sensors in minutes

Technical Specifications

Sensors

Power Monitoring

RMS Voltage	Range: 250 V
	Accuracy: +/- 1% V
RMS Current	Range:

100-120VAC, 50-60Hz, 12A max

200-240VAC, 50-60Hz, 10A max

Accuracy:

+/- 1% A

Real Power
Range: up to 2400 W
Accuracy: +/- 1% W

Apparent Power
Range: 0 - 250V
Accuracy: +/- 1% V

Power Factor
Range: 0 - 100%
Accuracy: +/- 1%

Energy
Range: up to 144 kWh
Accuracy: +/- 1%

Wireless Capabilities

Bluetooth® Low Energy [Compatible MV smart cameras and MR access points](#)

Operating Frequency 2.400–2.4835 GHz

IEEE Standard 802.15.1 (BLE 4.2)

Data Logging

Data sampling All metrics are polled at 15 seconds
Data reporting to gateway: 20 minute interval, threshold violation or on demand

Security Secure BLE messaging using LTK (Long-Term Key)

Physical Characteristics

Dimensions	161 (L) x 59.5 (W) x 40.7 (H) mm
Operating Environment	Temperature: 0°C - 50°C (0F - 122F) Relative Humidity: 0 - 95 % RH
Power Consumption	Typical: 1.2W (110V) - 1.6W (240V) Maximum: 2W
Hardware	Multicolor, multifunction status LED General purpose button Remote Control Lockout switch Reset button

Ordering Information

MT40-HW	Meraki Smart Power Controller
LIC-MT-XYR	Meraki MT Enterprise License (X = 1, 3, 5)
	Power Cables (Sold Separately):
Accessories	MA-PWR-C14-C15-1 MA-PWR-CORD-XX (Country specific)

In the Box

Unit	MT40-HW
Guides	QIGs
Mounting equipment	Backplate, Velcro Strap, 2 mounting screws, 2 drywall anchors, C13 and C14 retention sleeves
