Meraki

MT10 Datasheet - Temperature and Humidity

MT10 Sensors

Meraki MT cloud-managed sensors provide more complete visibility into physical environments

Overview

Businesses need a complete view of data to make sound decisions. Businesses need to have visibility into their network availability metrics, capex & opex, and customer satisfaction levels to deliver on their mission. While businesses have a good grip on embracing and utilizing data in the business world, they are yet to fully visualize the physical world.

Current solutions are complicated to install, do not scale and are difficult to use. Hence businesses do not have a simple and reliable way to have visibility into their critical assets to maximize their network uptimes, reduce equipment failure, reduce unnecessary site visits, and deliver best-in-class customer service.

So, Meraki is introducing a range of sensors to prevent loss and increase operational efficiency with ease. Our sensors are simple, scalable and secure. Our sensors also connect to the dashboard using the MV/MR which removes the need for expensive gateways. Customers can now gain real-time visibility into their critical business environment form a single pane of glass.

CLOUD MANAGED SENSORS	INDUSTRY LEADING CLOUD MANAGEMENT
The Cisco Meraki MT10 sensors provide temperature and humidity monitoring for network closets across industries using BLE (Bluetooth Low Energy) beacons on the MR and MV.	Cloud management has a number of benefits that make it easier to build networks large and small.
The sensor includes can monitor temperature -0°C - 55°C / 32F - 131F (limited by operating temperature) ranges and humidity in the 0 - 95 % RH.	Automatic alerts based on customizable thresholds through SMS, Email and Mobile push notifications.
	Enterprise-grade security which the Cisco Trustworthy Systems seal of approval.
Our sensors are built from the ground up to be easy to manage without compromising on power and flexibility.	Role-based administration.
All Meraki sensors are managed through an elegant, intuitive cloud-based interface.	Firmware upgrades and enhancements from the Meraki cloud.
Meraki's centralized management gives administrators granular visibility into their network.	Zero-touch provisioning for rapid deployment across sites.

Product Highlights

- 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

Temperature	Range: 0°C - 55°C / 32F - 131F Accuracy: +/- 0.3°C
Humidity	Range: 0 - 95 % RH Accuracy: +/- 2.5% RH
Certifications	UL 2905

Wireless Capabilities

Bluetooth 4.2 Low Energy BLE	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 polling frequency	Sample Polling: 2 minutes Data reporting to gateway: 20 minute interval, or immediately upon threshold violation
Onboard data storage	4000 data points (5 days of data at the default sampling rate)
Security	Secure BLE messaging using LTK(Long-Term Key)

Physical Characteristics

Dimensions	117.1(L)X65.9(W)x 26.0(H)mm
Weight (excluding batteries)	102g
Battery Compartment	2xAA Battery with up to 5 year battery life
Operating Environment	**Temperature:** 0°C - 55°C(32F - 131F) **Relative Humidity**: 0 - 95% RH
Hardware	Multicolor, multifunction status LED General purpose button Reset button USB-C Port

Ordering Information

MT10-HW	Meraki Temperature and Humidity Sensor
LIC-MT-XY	Meraki Things Enterprise License (X = 1, 3, 5, 7, 10 years)
Accessories	External Power Adapter(Sold Separately): MA-PWR-USB-US

	MA-PWR-USB-UK
	MA-PWR-USB-EU
	MA-PWR-USB-AU
	MA-PWR-ETH (USB-C to Ethernet adapter)

In the Box

Unit	MT10-HW
Guides	QIGs
Battery	2 AA Batteries
Mounting equipment	Backplate, Mounting Magnet, 3M tape, 2 mounting screws, 2 drywall anchors