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MT10

Cloud-Managed Indoor Temperature and Humidity Sensor

Overview

Networking infrastructure powers critical business functions, and keeping it running smoothly is vital to operations. Poor environmental conditions can lead to premature equipment failure and network outages, resulting in severe business disruptions and costly downtime.

Sensors provide insight into current environmental conditions, helping to ensure critical infrastructure continues to function. The Cisco Meraki MT10, part of the Meraki MT sensor portfolio, provides temperature and humidity data in real time, so you can keep tabs on critical infrastructure or sensitive inventory.

Simple sensors. Powerful Meraki platform.

The Meraki MT10 reduces the complexity of traditional sensors by eliminating the need for separate gateway and management software. MT sensors use existing Meraki MR access points or MV smart cameras in the same network as gateways, automatically connecting and speeding up deployment time frames. Powered by the Meraki platform, MT sensors are fully cloud-managed. Real-time visibility and configuration through the well-recognized Meraki cloud dashboard and mobile app keep you up-to-date wherever you are.

Once installed, MT10 will monitor conditions inside your facility. If your HVAC systems malfunction, affecting the temperature or humidity, MT is watching. Create customized alerts to notify you of changing conditions so you can take action to prevent network outages, premature equipment failure, downtime, or product loss.

Product highlights

- Simple to set up and deploy; easily scalable
- Automatically connects to MR/MV devices in the network
- Cloud-managed, bringing the magic of the Meraki platform to the IoT sensor world
- Meraki cloud dashboard eliminates the need for on-premises servers
- Modern mobile app for on-the-go monitoring and troubleshooting
- Flexible alerting with email, SMS, and push notifications

- Wireless connectivity using Bluetooth Low Energy (BLE)
- Trust Anchor module (TAm) securely authenticates the device and encrypts all communication
- Five-year battery life with two (2) user-replaceable AA batteries
- Optional AC-to-USB-C power adapter
- Advanced telemetry data for smarter decision-making
- APIs and webhook alerts for third-party alerting and data analysis
- Vast ecosystem partner community building apps on top of the Meraki platform

MT10 specifications

Sensors

Temperature	Range: 0°C - 55°C (32F° - 131F°) Accuracy: +/- 0.3°C
Humidity	Range: 0 - 95% relative humidity Accuracy: +/- 2.5% relative humidity

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 (Bluetooth 4.2 Low Energy BLE)

Data logging

Data sampling	Sample polling every two minutes Data reporting to gateway every 20 minutes, or immediately upon threshold violation
Onboard data storage	4,000 data points (5 days of data at the default sampling rate)

BLE messages encrypted and authenticated using Cisco Trust Anchor technology

Power

Two AA batteries or power adapter

Battery life up to five (5) years

Power ratings: 5V; 0.1A

Operating environment

Temperature: 0°C - 55°C (32F° - 131F°)

Relative humidity: 0-95%

Physical characteristics

Dimensions: 117.1mm X 65.9mm x 26.0mm
(length x width x height)

Battery compartment

Multicolor, multifunction status LED

General purpose button

Reset button

USB-C Port

Warranty

Three-year hardware warranty with advanced replacement

Ordering information

MT10-HW	Meraki MT10 Indoor Temperature and Humidity Sensor
LIC-MT-XY	Meraki MT Enterprise License and Support (X = 1, 3, 5, 7 years)
MA-PWR-USB-XX	External Power Adapter (XX= US, EU, UK, or AU)

In the box

MT10-HW	
Quick-start & installation guide	
AA batteries (x2)	
Mounting equipment	Backplate Mounting magnet 3M tape Mounting screws (x2) Drywall anchors (x2)

Note: Each Meraki MT sensor requires a license to operate

Learn more about Meraki Sensors at: meraki.com/sensors