



## DATASHEET

# 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.

## Smart sensors. Smarter businesses.

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
- 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

## Wireless capabilities

Bluetooth® Low Energy	<a href="#">Compatible MV smart cameras and MR access points</a>
Operating frequency	2.400–2.4835 GHz
IEEE standard	802.15.1 (Bluetooth Low Energy 4.2)

## 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 (five days of data at the default sampling rate)
Security	Bluetooth Low Energy 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

## Physical characteristics

Dimensions: 117.1 mm (L) x 65.9 mm (W) x 26.0 mm (H)

Battery compartment

Multicolor, multifunction status LED

General purpose button

Reset button

USB-C port (receptacle connector)

## Operating environment

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

Relative humidity: 0 to 95%

## Sensors

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

## Warranty

Three-year hardware warranty with advanced replacement

## Ordering information

### Hardware

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)
MA-PWR-ETH	USB-C to Ethernet adapter

### In the box

MT10-HW

Quick-start and installation guide

Mounting equipment	<ul style="list-style-type: none"> <li>Backplate</li> <li>Mounting magnet</li> <li>3M tape</li> <li>Two mounting screws</li> <li>Two drywall anchors</li> </ul>
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#### Notes:

- Each Meraki MT sensor requires a software license to operate, however every dashboard organization comes standard with five free MT licenses to help get started

To learn more,  
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