

Cisco Meraki MT10-HW

Cloud-Managed Indoor Temperature & Humidity Environmental Sensor

DATASHEET

Product Overview: The Cisco Meraki MT10-HW is a compact, cloud-managed indoor environmental sensor designed to monitor temperature and relative humidity across server rooms, network closets, and sensitive inventory locations. Leveraging Bluetooth Low Energy (BLE 4.2) to automatically pair with existing Meraki MR Wi-Fi access points or MV smart cameras as gateways, the MT10-HW eliminates the cost and complexity of dedicated gateway hardware.

± 0.3°C

TEMP ACCURACY

± 2.5% RH

HUMIDITY ACCURACY

Up to 5 Yrs

BATTERY LIFE (2× AA)

4,000 Pts

LOCAL OFFLINE CACHE

ENVIRONMENTAL SENSOR SPECIFICATIONS

Sensor Element	Specification Details
Temperature Range	0°C to 55°C (32°F to 131°F)
Temperature Accuracy	± 0.3°C (Typical) across standard indoor operating conditions
Relative Humidity Range	0% to 95% Relative Humidity (RH) non-condensing
Humidity Accuracy	± 2.5% Relative Humidity (RH)
Sampling & Reporting Rate	Samples data every 2 minutes; reports to gateway every 20 minutes (or immediately upon threshold breach)

WIRELESS & GATEWAY CONNECTIVITY

Wireless Technology	Bluetooth Low Energy (BLE 4.2) Operating Frequency: 2.400–2.4835 GHz
Gateway Compatibility	Automatic wireless pairing with Wi-Fi 6 MR Access Points and 2nd Gen MV Smart Cameras
Onboard Data Cache	4,000 data points onboard buffer (~5 days of continuous logging at default polling rate during gateway outages)
Security Module	Cisco Trust Anchor technology (TAm) securely authenticates devices and encrypts BLE communications

PHYSICAL & POWER CHARACTERISTICS

Dimensions (L × W × H)	117.1 mm × 65.9 mm × 26.0 mm (4.61" × 2.59" × 1.02")
Weight	102 g (0.22 lbs) excluding batteries
Power Supply Options	2× User-replaceable AA Alkaline batteries (included) OR optional AC-to-USB-C power adapter (5V, 0.1A)

KEY SOFTWARE & CLOUD TELEMETRY CAPABILITIES

Gateway-Free Architecture

Utilizes existing Cisco Meraki MR access points and MV smart cameras as BLE gateways, removing the cost and hassle of dedicated overlay receivers.

Zero Extra Gateways

BLE Mesh

Custom Alerts & Notifications

Set configurable upper and lower thresholds for temperature and humidity with instant real-time SMS, email, mobile push, or webhook alerts.

SMS / Email Alerts

Webhooks

Unified Dashboard Visibility

Single pane of glass management alongside your Wi-Fi, switches, firewalls, and cameras with historical telemetry graphing and CSV exports.

Meraki Dashboard

Analytics

Automated Off-Grid Logging

If gateway communication drops, the MT10 buffers up to 5 days of sensor logs locally, backfilling data automatically once connection restores.

5-Day Buffer

Auto Sync

SECURITY & CLOUD INTEGRATION

Category	Features & Integration Standards
Hardware Authentication	Integrated Cisco Trust Anchor module (TAm) for unique cryptographic hardware identity verification
Wireless Encryption	Encrypted BLE communication using Long-Term Key (LTK) exchange between sensor and gateway
API Automation	REST APIs available via Dashboard for automated environment monitoring, reporting, and building systems integration
Certifications	UL 2905 Environmental Sensor Certification, FCC, CE, RoHS compliant

ORDERING INFORMATION & ACCESSORIES

Part Number	Description
MT10-HW	Cisco Meraki MT10 Cloud-Managed Indoor Temperature & Humidity Sensor
LIC-MT-1YR	Cisco Meraki MT Enterprise License and Support (1 Year)
LIC-MT-3YR	Cisco Meraki MT Enterprise License and Support (3 Years)
MA-PWR-USB-US	Meraki AC to USB-C External Power Adapter (US Plug)
In The Box	MT10-HW sensor, 2× AA batteries, mounting plate, magnet mount, 3M tape, screw kit

Warranty & Cloud Support: The MT10-HW includes Cisco Meraki's 3-year hardware warranty featuring Advanced Next Business Day (NBD) replacement, supported by 24x7 enterprise phone support and continuous cloud software upgrades provided with an active Meraki MT licensing subscription.