

MT20

Cloud-Managed Indoor Open/Close Sensor



Overview

Managing security and monitoring access for physical spaces has always been an important consideration for organizations. By tracking changes in the physical environment, businesses can minimize vulnerabilities, prevent disruptions, and ensure stronger security.

The MT20, part of the Meraki MT sensor family, provides insight into access to the physical environment. Using magnetic fields to determine positioning, MT20 can detect when doors are opened or closed, allowing organizations to detect intrusions and understand usage trends.

Simple sensors. Powerful Meraki platform.

The MT20 sensors are quick and easy to set up and can be installed on doors, gates, cabinets and more. Once powered on, MT20 sensors automatically connect via Bluetooth to Meraki MR access points or MV smart cameras, eliminating the need for a separate gateway. Powered by the Meraki platform, MT20 sensors provide real-time monitoring and alerting, allowing organizations to detect intrusions and understand access and usage trends.

Whether it's knowing when someone enters a restricted area, keeping track of doors left ajar, or simply understanding how many individuals enter through a back entrance, the MT20 sensor provides the visibility and data to better support business decision-making across the board.

Product highlights

- Simple to set up and deploy; scales easily
- Tamper detection reporting
- 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
- 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 communications
- Five-year battery life with one (1) user-replaceable AA battery
- 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

MT20 specifications

Open/Close sensor

Intrusion detection using magnetic field via a Hall-effect sensor

Wireless capabilities

Bluetooth only via MV/MR as gateway	Compatible with second-generation MV smart cameras and Wi-Fi 6 MR access points
Operating frequency	2.400–2.4835 GHz
IEEE standard	802.15.1 (Bluetooth 4.2 Low Energy BLE)

Data logging

Data Polling Frequency	Every 20 minutes, or immediately upon state change
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 characteristics

One AA battery

Battery life up to five (5) years

Operating environment

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

Relative humidity: 0-95%

Physical characteristics

Dimensions	Main device: 81.2mm x 39.7mm x 19.5mm (length x width x height) Magnet cover: 59.5mm x 12mm x 13.35mm (length x width x height)
Battery compartment	
Multicolor, multifunction status LED	
General purpose button	
Reset button	

Warranty

Three-year hardware warranty with advanced replacement

Ordering information

MT20-HW	Meraki MT20 Indoor Door Open/Close Sensor
LIC-MT-XY	Meraki MT Enterprise License and Support (X = 1, 3, 5, 7, 10 years)

In the box

MT20-HW and magnet with cover

Quick-start & installation guide

AA batteries (x2)

Mounting equipment	3M tape for main device 3M tape for magnet cover Mounting screws (x4) Drywall anchors (x4) Torx allen wrench
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Note: Each Meraki MT sensor requires a license to operate

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