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## MT20 Datasheet - Open/Close Detection

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### MT20 Sensors

Cloud-Managed Sensors that help you have complete visibility across your business environment.



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### 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 from a single pane of glass.

#### CLOUD MANAGED SENSORS

The Cisco Meraki MT20 sensor provides the capability to detect if a door is open or closed for network closets across industries using BLE (Bluetooth Low Energy) beacons on the MR and MV.

The sensor uses a Hall Effect sensor to detect the magnetic field and determine if a Door is open or closed.

Our sensors are built from the ground up to be easy to manage without compromising on power and flexibility

All Meraki sensors are managed through an elegant, intuitive cloud-based interface

Meraki's centralized management gives administrators granular visibility into their network

#### INDUSTRY LEADING CLOUD MANAGEMENT

Cloud management has a number of benefits that make it easier to build networks large and small:

Automatic alerts based on customizable thresholds through SMS, Email and Mobile push notifications

Enterprise-grade security which the Cisco Trustworthy Systems seal of approval

Role-based administration

Firmware upgrades and enhancements from the Meraki cloud

Zero-touch provisioning for rapid deployment across sites

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## Product Highlights

- Single pane of glass for all your networking needs (Camera, IoT, etc)
- Always-on real-time visibility (24/7/365 visibility)
- Flexible alert management
- Peel & Stick installation
- Provision multiple sensors in minutes
- Simple to set up reporting and configuration

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## Technical Specifications

### Sensors

Intrusion Detection

Detects magnetic field via a Hall Effect Sensor

### Wireless Capabilities

Bluetooth 4.2 Low Energy BLE

Automatically detects and connects to the MV/MR\* gateway

Operating Frequency

2.400–2.4835 GHz

IEEE Standard

802.15.1 (BLE 4.2)

## Data Logging

Data polling frequency	Event Driven Wake up every 20 minutes to report
Onboard data storage	4000 data points(~5 days of data in case of connectivity loss)
Security	Secure BLE messaging using LTK(Long-Term Key)

## Physical Characteristics

Dimensions	Main Device: 81.2(L)X39.7(W)X19.5(H)mm; Magnet Cover: 59.5(L)X12(W)X13.35(H) mm
Weight (excluding batteries)	Main Device: 29g; Magnet Cover: 10g
Battery Compartment	1x AA Battery with up to 5 year battery life
Operating Environment	<b>Temperature:</b> 0°C - 55°C(32F - 131F) <b>Relative Humidity:</b> 0 - 95% RH
Hardware	Multicolor, multifunction status LED General purpose button Reset button USB-C port
Warranty	3 Years

## Ordering Information

Meraki MT Open/Close Detection	MT20-HW and Magnet w/Cover
LIC-MT-XYR	Meraki Things Enterprise License (X = 1, 3, 5, 7, 10 years)

## In the Box

Unit	MT20-HW
Guides	QIGs
Battery	1 AA Batteries
Mounting equipment	3M tape (for main device), 3M tape (for magnet cover), 4 mounting screws (2 for main device, 2 for magnet cover), 4 drywall achors (2 for main device, 2 for magnet cover), torx allen wrench