Meraki

MT12 Datasheet

MT12

Cloud-Managed Indoor Water Leak Detection Sensor

Overview

IT infrastructure helps keep businesses running smoothly. From maintaining a comfortable working environment to powering IT operations, such appliances are the backbone of any business.

Protecting this critical equipment from potentially dangerous conditions is key to minimizing business interruptions and downtime. The Cisco Meraki MT12, a water leak detection sensor, can detect the presence of as little as 3 mL of liquid on its 8' sensor cable, helping ensure safe operating conditions.

Simple sensors. Powerful Meraki platform.

The Meraki MT12, part of the MT sensor family, cuts the complexity of traditional sensor systems 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 timeframes. Powered by the Meraki platform, the MT sensors are fully cloud-managed. Real-time visibility through the Meraki cloud dashboard and mobile app, along with flexible alerting options, keep you up-to-date wherever you are.

Once in place, MT12 will continuously monitor your environment. If your HVAC system malfunctions causing leaks, or pipes freeze and burst, MT12 is there. Create customized alerts to notify you of changing conditions so you can take action and prevent network outages, premature equipment failure, downtime, or product loss.

Product highlights

- Simple to set up and deploy; scales easily
- 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 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

MT12 specifications

Water leak sensor

Capable of detecting the presence of as little as 3mL of water making contact with the cable

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

Two AA batteries or power adapter
Battery life up to five (5) years
Power ratings: 5V; 0.2A

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
Water leak detection plug (female connector)

Operating environment

Temperature: 0°C - 55°C (32F° - 131F°)
Relative humidity: 0-95%

Warranty

Three-year hardware warranty with advanced replacement

Ratings

IPX5 rated

Ordering information

MT12-HW	Meraki MT12 Indoor Water Leak Detection Sensor
LIC-MT-XY	Meraki MT Enterprise License and Support (X = 1, 3, 5, 7, 10 years)
MA-PWR-USB-XX	External Power Adapter (XX= US, EU, UK, or AU)
MA-CBL-LEAK-1	8ft (2.4M) Water Leak Detection Cable IPX5 rated

In the box

MT12-HW	
Quick-start & installation guide	
AA batteries (x2)	
8ft (2.4M) Water Leak Detection Cable (MA-CBL-LEAK-1)	
Mounting equipment	Backplate, Mounting magnet, 3M tape Mounting screws (x2) Drywall anchors (x2) Cable clips (x8)

Note: Each Meraki MT sensor requires a license to operate