

Innovative Leak Detection sensor



# MerryIoT Leak Detection

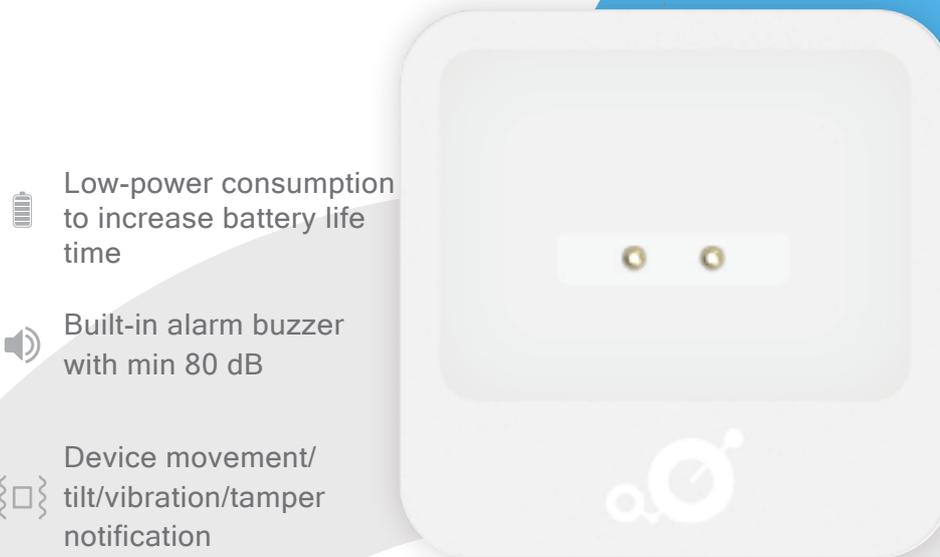


This product integrates seamlessly with Amazon Sidewalk to ensure that you have a better connected device experience.

Best-in-class integrated 4-in-1 leak detector

Drip/Leak/Flood, Temperature, Humidity, Vibration/Tamper

Signal coverage test button



-  Low-power consumption to increase battery life time
-  Built-in alarm buzzer with min 80 dB
-  Device movement/tilt/vibration/tamper notification

Long-range coverage over Amazon Sidewalk's 900MHz wireless network 

Press-and-play installation and no tools needed 

Easy to manage with MerryIoT app for both iOS and Android 

## Description

**Don't** ever worry about leaks or floods in your basement, under your sinks, from your water heater, or anywhere else in the house.

**The** MerryIoT Water Leak Sensor will in real-time alert you the moment it comes in contact with leaking water.

**You** can also get readings of high and low humidity and temperature through the sensor.

### Radio / Wireless

**Frequency:** US 902~928 MHz

**Antenna Gain:** -2dBi Peak

**RF Sensitivity:** -135dBm

**Wireless Connectivity:** Amazon Sidewalk LoRa

### Power Supply

**Battery Type:** 1.5 V AA Alkaline x 2 pcs, 2700 mAh  
(75Ω Cont. discharge)

**Expected Battery Lifetime:** Up to 5 years  
(Note: Service life varies to the operating conditions.)

**Min. Current:** 25uA(Sleeping mode)

### Operating Conditions

**Temperature:** 0 to 50°C

Outdoor & Indoor use (IP67 equivalent)

### Sensors

**Water Sensing Probes**

**Temperature Sensor**

- Measurement range: -40°C -125°C
- Accuracy:  $\pm(1^{\circ}\text{C})$

**Humidity Sensor**

- Measurement range: 0 %RH - 100 %RH
- Accuracy:  $\pm 5 \%$

**Three-Axis Linear Accelerometer**

- 3 sensitivity levels: High/Mid/Low

### Mechanical Specifications

**Dimensions:** 70 mm x 25 mm x 70 mm

**Weight:** 120 g

### Certification & Compliance

**Type Approval:** CE/FCC/IC

**Qualification:** Works with Sidewalk

# What is Amazon Sidewalk?



## Amazon Sidewalk – Connecting Wireless IoT Devices at Homes and Beyond

Amazon Sidewalk connects homes and communities together. It is a shared network that helps devices connect to the Internet and work better. Many Ring and Echo devices can act as a Sidewalk Bridge via Bluetooth and the 900MHz spectrum to provide a secure connection for low-bandwidth devices in the home and around the neighborhood. Customers with an Amazon Sidewalk Bridge contribute a small portion of their internet bandwidth, which is pooled together to create a neighborhood network that benefits all Amazon Sidewalk-enabled devices in a community. This helps MerryIoT devices stay connected with Amazon Sidewalk coverage and no recurring fees for customers to access Sidewalk.

## How MerryIoT and Amazon Sidewalk can benefit your daily life.

MerryIoT provides a complete solution for your home and asset monitoring that helps increase a level of security and safety to your property and loved ones. With the help of Amazon Sidewalk, all MerryIoT smart devices stay connected and continue to work over longer distances. A nearby Amazon Sidewalk gateway will pick up messages from the connected MerryIoT device and route them to the MerryIoT application via an integrated AWS cloud with multiple layers of data encryption for customer privacy protection. Today, Amazon Sidewalk include many Echo devices and select Ring devices that securely connect Sidewalk-enabled endpoints to the Amazon Sidewalk network and provide services to you and your neighbors.

