



OxTech Multi-Connectivity Module

The OxTech Multi-Connectivity Module is an innovative, easy-to-integrate module for connecting devices to LoRaWAN or the Amazon Sidewalk Network.



✓ Scalable

Connect millions of devices on Amazon Sidewalk and LoRaWAN Network with ease and FUOTA support.

✓ Reliable

A dependable solution for users to stay connected on a large network between end devices up to a mile range.

✓ Simple


The Module comes pre-provisioned allowing painless on boarding for users

The OxTech Multi-Connectivity Module is designed to support network co-processor mode with the application on a host MCU or directly running on the module leveraging devices to get to market quickly with applications such as, automation sensors, gas and water leak detection, utility metering, and asset tracking.

The module enables low-bandwidth and long-range connections to the network leveraging a range of miles using Bluetooth® for short distance and LoRa® for a longer range.

 Network Security

 Stay Connected Over Time

 Connection up to a 10-mile range

 LoRaWAN Capable

Amazon, Amazon Sidewalk, and all related marks are trademarks of [Amazon.com](https://www.amazon.com), Inc. or its affiliates.

Amazon Sidewalk is a wireless network that uses Amazon Sidewalk Bridges that are built into devices such as Amazon Echo and Ring to provide cloud connectivity for IoT devices.

The OxTech Multi-Connectivity Module integrates all the hardware and firmware materials that are required for Amazon Sidewalk.

FEATURES

- Silicon Labs EFR32MG24 Wireless SoC
- Secure Vault™ for high-security IoT applications
- 78MHz processor with 32-bit ARM Cortex-M33 core
- 1536KB of Flash and 256KB of RAM
- 2.4GHz transceiver for Bluetooth Low Energy (BLE 5.3)
- SX1262 Sub-GHz transceiver for LoRa and FSK
- 1.8V to 3.3V power supply
- Energy efficient design for battery-powered devices
- Full support for Amazon Sidewalk
- Full support for LoRaWAN
- Digital interfaces: 4 configurable GPIOs, and configurable GPIOs for UART x 1, SWD x 1 (for Jlink), Flash Memory SPI x 1, Flow Control

Contact Us

For more information about the OxTech Multi-Connectivity Module or to request a demonstration, please contact us at:

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