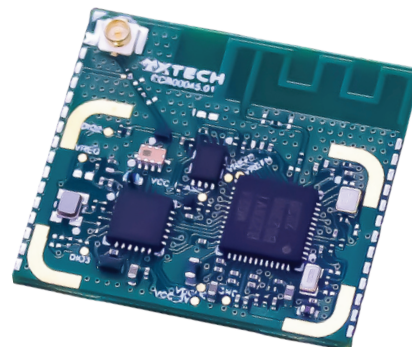




OXTECH

OxTech Sidewalk Module

The **OxTech Sidewalk 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

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 Sidewalk Module integrates all the hardware and firmware materials that are required for Amazon Sidewalk.

FEATURES

- Built-in SX1262 LoRa
- Microcontroller with 2.4GHz radio transceiver to support Bluetooth® Low Energy 5.3 standards
- 1024KB of Flash and 128KB of RAM
- 78MHz ARM Cortex-M33 processor
- 1.8V to 3.3V power supply (3.3V recommended for best RF performance)
- Digital interfaces: 4 configurable GPIOs, and configurable GPIOs for UART x 1, SWD x 1 (for Jlink), Flash Memory SPI x 1, Flow Control
- RF interfaces: 2.4GHz x 1 and Sub1-GHz x 1
- Full support for Amazon Sidewalk
- Full support for LoRaWAN
- Radio output power up to +19.5dBm
- Secure vault and boot



Network Security



Stay Connected Over Time



Connection up to a 10-mile range



LoRaWAN Capable

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