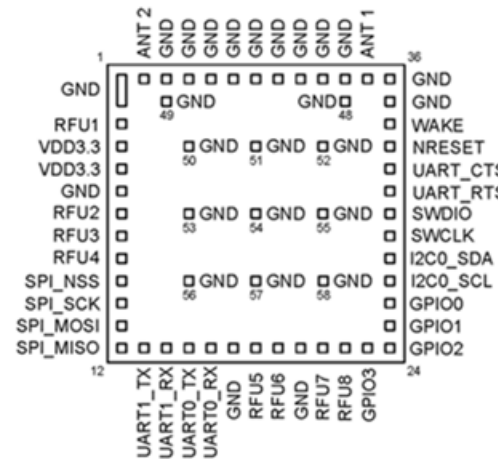


xDot Pinout



Safety Information

Read your product's warnings and instructions in your model's Developer Guide.

Regulatory Information

More detailed regulatory information and standards are included in your model's Developer Guide.

47 CFR Part 15 Regulation

For models designated for use in USA, the following applies:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Industry Canada

For models designated for use in Canada, the following applies:

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement Canadien sur le matériel brouilleur.

EMC, Safety, and Radio Equipment Directive (RED) Compliance

MultiTech declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The declaration of conformity may be downloaded at <https://www.multitech.com/red>

EMC, Safety, and Radio Equipment Regulations (UKCA)

For models designated for use in the UK, the following applies:



The UKCA mark is to confirm conformity with the relevant UKCA harmonization legislation. Consult the Developer Guide for details.

xDot® Developer Kit Quick Start

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Support Portal

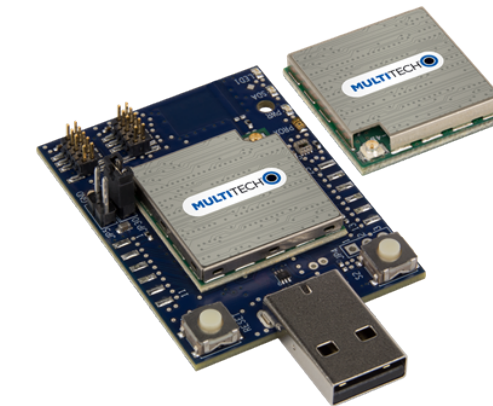
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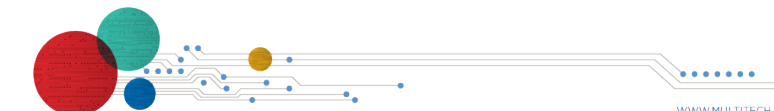
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xDot® Developer Kit
MTMDK-XDOT Advanced and Essential Quick Start



Welcome

The xDot (MTXDOT) is a LoRaWAN™, low-power RF device, capable of two-way communication over long distances, deep into buildings, or within noisy environments using the unlicensed ISM bands in North America, Europe and worldwide. xDot Essential is a compact surface-mount device with enhanced security. xDot Advanced features an integrated ARM® Cortex®-M4 processor and Mbed compatible software library for developers to control, monitor and bring edge intelligence to their Internet of Things (IoT) applications.

The xDot developer kit comes with an xDot already mounted on the developer board. Simply plug the developer kit into a USB port on your computer to test, program, and evaluate your application.

Developer Kit Package Contents

Your Developer Kit (MTMDK-XDOT-xx) includes the following:

- 3 - xDot Developer Boards with xDot.
- 1 - Quick Start (This document)

Product Documentation

- **xDot Developer Guide:** Developer information, including specifications, pin information, regulatory content, and developer board schematics. Go to: <https://www.multitech.com/brands/multiconnect-xdot> and find your model.
 - For **xDot Developer Guide for AT Commands** the document number is **S000820**.
 - For **xDot Developer Guide for Mbed** the document number is **S000821**.
- **xDot AT Command Reference:** Includes details on the AT commands available for xDot. Go to: <https://www.multitech.com/documents/publications/reference-guides/S000768-xDot-AT-Command-Guide.pdf>
- **MultiTech Developer Site:** Includes LoRa information and information on using xDots with Conduit gateways and access points. Go to: <http://www.multitech.net/developer/multiconnect-xdot>

Getting Started

The xDot Developer kit consists of an xDot module mounted to the USB developer board. It ships with pre-installed firmware that supports AT Commands. For AT Commands, refer to the separate *xDot AT Command Reference Guide*.

To send AT commands to the xDot:

1. Plug the developer board into a USB port.
2. Open communications software, such as TeraTerm, Putty, or Minicom.
3. Set the following:
 - Baud rate = 115,200
 - Data bits = 8
 - Parity = N
 - Stop bits = 1
 - Flow control = Off

Two serial interfaces are available through the USB interface, one is used to send AT commands to the xDot and the other is for debug messages. Refer to MTXDOT Specifications in the *xDot Developer Guide* for pin information.

xDot Advanced models include an Mbed processor. The xDot Mbed page includes libraries and test cases. Go to <https://os.mbed.com/teams/MultiTech/> and select xDot Advanced.

Developer Board

