## Product Documentation

Use cases, application notes, and documentation for related products such as Conduit gateway and the LoRa accessory card are available on the MultiTech developer site at: www.multitech.net/

For the mDot Developer Guide go to: www.multitech.net/developer/products/multiconnect-mdot

The mDot ships from the factory pre-loaded with our custom AT Command Firmware. For more information go to: https://developer.mbed.org/platforms/MTS-mDot-F411/#factory-firmware

## Safety and Regulatory Content

For safety and regulatory content, refer to the mDot Developer Guide.

## Using the mbed Platform

The mbed platform provides free software libraries, hardware designs and online tools for professional rapid prototyping of products based on ARM microcontrollers.

The platform includes a standards-based C/C++ SDK, a microcontroller HDK and supported development boards, an online compiler and online developer collaboration tools.

## mbed Links

**Explore mbed:** http://developer.mbed.org/explore/ mbed

**Getting Started:** http://developer.mbed.org/getting-started/ mbed

**Handbook:** http://developer.mbed.org/handbook/Homepage

## mDot mbed Documentation

Visit our mDot mBed page for more information and help getting started with mbed. https://developer.mbed.org/platforms/MTS-mDot-F411/

# MultiConnect® mDot™ with Micro Developer Kit Quick Start

**Document Number:** 82101570L Rev 1.0

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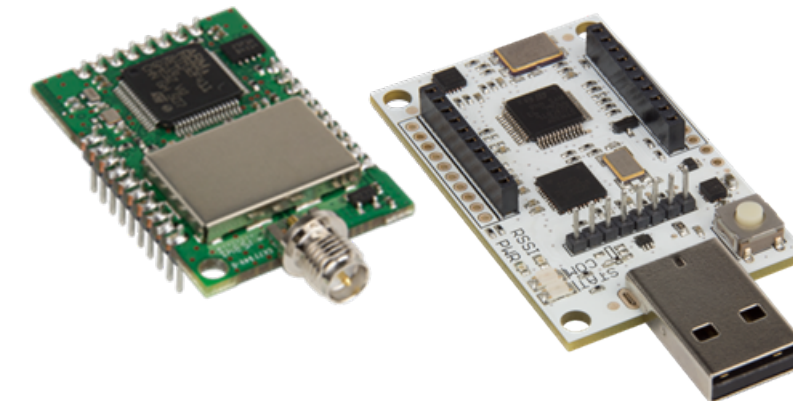support@multitech.co.uk
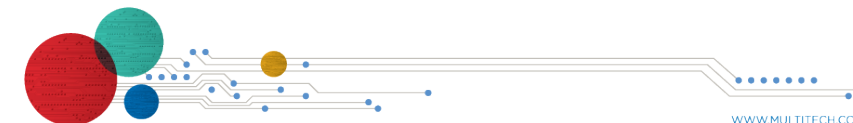+(44) 118 959 7774

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# MultiConnect® mDot™ with Micro Developer Kit
**MTMDK-ST-MDOT Quick Start**

## Welcome

This Quick Start includes information on the MultiConnect® mDot™ and the Micro Developer Kit.

## MultiConnect mDot

The MultiConnect mDot is a secure, programmable, long-range and low-power RF module that provides encrypted data connectivity to sensors, industrial equipment, and remote appliances.

The mDot 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.

## Micro Developer Kit

Designed specifically for mDot development, the Micro DK plugs directly into a USB port on your computer making it easy to use the developer kit for testing, programming, and evaluating your application.

**Note:** To work with the developer board, you need an X1P mDot model which includes a programming header.

## Developer Kit Package Contents

Your Developer Kit (MTMDK-ST-MDOT) includes the following:

| | |
|---|---|
| Developer Board | 1 - MTMDK mDot Developer Board |
| Antenna | 1 - 868-945 MHz LoRa Antenna |
| Customer Notices | This Quick Start |

Update your developer board ST-LINK/V2 firmware through the mDot mbed page at

> https://developer.mbed.org/platforms/MTS-mDot-F411/#general-technical-references
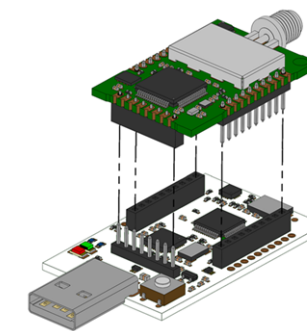
## mDot Pinout
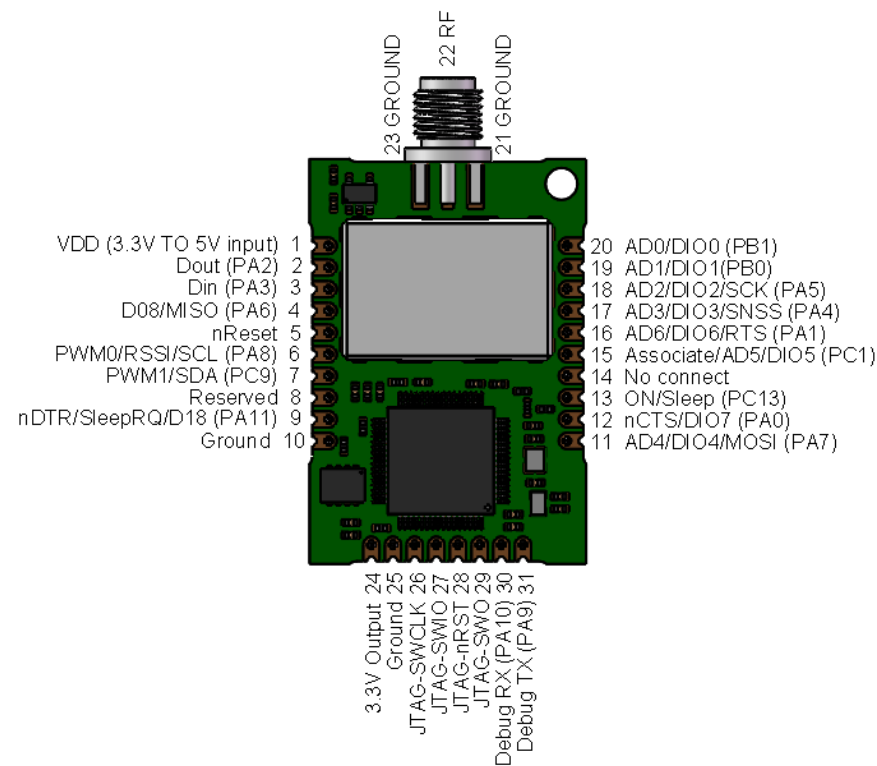
## Developer Board Components
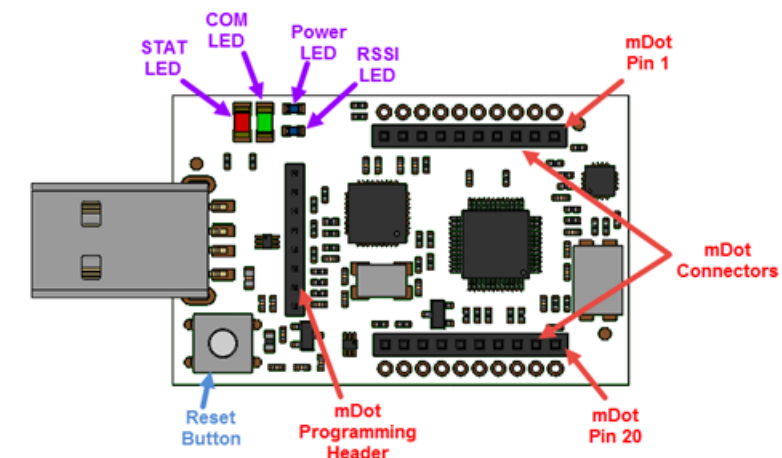


**Note:** The Reset Button resets the mDot processor.

## Mounting an mDot (MTDOT) on the Micro DK



To install an mDot:

1. Align the mDot on the developer board as shown.
2. Gently press the mDot into the connectors.