



nRF52840 MDK USB Dongle w/Case

SKU 113990714

The nRF52840 MDK USB Dongle is a small and low-cost development platform enabled by the nRF52840 multiprotocol SoC in a convenient USB dongle form factor.

The USB Dongle is fully multiprotocol capable with full protocol concurrency. It has protocol support for Bluetooth 5, Bluetooth mesh, Thread, Zigbee, IEEE 802.15.4, ANT and 2.4 GHz proprietary stacks.

Alternatively the USB Dongle can act as a Network Co-Processor(NCP) with a simple connection to a PC or other USB enabled device.

Features

- Low-cost USB dongle supporting Bluetooth 5, Bluetooth mesh, Thread, Zigbee, IEEE 802.15.4, ANT and 2.4 GHz proprietary stacks
- Shipped with USB enabled bootloader and OpenThread NCP firmware
- Programming via nRF Connect for Desktop or nRFUtil
- OpenThread Border Router supported
- Thread Network Sniffer with Wireshark
- Thread Topology Monitor

Hardware Specification

- **Nordic nRF52840 System-on-Chip**
- **ARM® Cortex®-M4F processor optimized for ultra-low power operation**
- **Combining Bluetooth 5, Bluetooth Mesh, Thread, IEEE 802.15.4, ANT and 2.4GHz proprietary**
- **On-chip USB 2.0 (Full speed) controller**
- **ARM TrustZone® Cryptocell 310 security subsystem**
- **1 MB FLASH and 256 kB RAM**
- **1 user-programmable button**
- **1 user-programmable RGB LED**
- **Integrated 2.4 GHz chip antenna**
- **Convenient USB dongle form factor**
- **Product Dimensions: 2.0" x 0.83" x 0.3" (50.8mm x 21.1mm x 7.6mm)**
- **Product Weight: 6.0g (0.21oz)**

Documents

- [Product Wiki](#)
- [Getting Started](#)
- [How to program the Dongle](#)
- [Getting Started with nRF5 SDK](#)
- [How to Build an OpenThread Border Router with Raspberry Pi 3B](#)
- [How to Build a Thread Network Sniffer with Wireshark](#)
- [Building FIDO U2F Security Key with nRF52-U2F](#)
- [Hardware Resources](#)

Part List

1 x nRF52840 Dangle

ECCN/HTS

ECCN	3A991.a
HSCODE	8543709990
UPC	

