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SEMICONDUCTOR

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PRODUCTS

BLUETOOTH 5

BLUETOOTH LOW ENERGY

LOW POWER CELLULAR IOT

ANT™

2.4GHZ RF

SUB 1-GHZ RF

IEEE 802.15.4 / THREAD / ZIGBEE

NORDIC MOBILE APPS

3RD PARTY MODULES

3RD PARTY DEVELOPMENT BOARDS, DK-PLUGIN CARDS AND ARDUINO BOARDS

3RD PARTY BEACONS

PRODUCT UPDATE NOTIFICATIONS

DOCUMENTATION
Visit the infocenter to access all technical documentation

{ Nordic DevZone
Insight*Inspiration*Network

nRF52840 Dongle
USB Dongle based on nRF52840
Active

Replacement products ▾

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OVERVIEW   DOWNLOADS

DESCRIPTION

Just got your nRF52840 Dongle? Click here to get started.

The nRF52840 Dongle is a small, low-cost USB dongle for Bluetooth® Low Energy, Bluetooth mesh, Thread, ZigBee, 802.15.4, ANT and 2.4GHz proprietary applications using the nRF52840 SoC. The Dongle is the perfect target hardware for use with nRF Connect for Desktop as it is low-cost but still support all the short range wireless standards used with Nordic devices. The dongle has been designed to be used as a wireless HW device together with nRF Connect for Desktop. For other use cases please do note that there is no debug support on the Dongle, only support for programming the device and communicating through USB.

It is supported by most of the nRF Connect for Desktop apps and will automatically be programmed if needed. In addition custom applications can be made and downloaded to the Dongle. It has a user programable RGB LED, a green LED, a user programmable button as well as 15 GPIO accessible from castellated solder points along the edge. Example applications are available in the nRF5 SDK under the board name PCA10059.

The nRF52840 Dongle is supported by nRF Connect for Desktop as well as programming through nRFUtil.

BUY NOW

FEATURES

> Low cost USB dongle supporting Bluetooth LE, Thread, Zigbee, 802.15.4, ANT and 2.4GHz

> 15 GPIO and interfaces available on castellated edge soldering points

> 1 Programmable RGB LED

> 1 Programmable green LED

> 1 Programmable Button

> Updatable through USB DFU

CONTENT

> 1 x nRF52840 Dongle

SUPPORTED PRODUCTS/COMPLEMENTARY

Part #	Description
nRF52840	Multi-protocol Bluetooth 5/Bluetooth Low Energy/ANT/802.15.4/2.4GHz RF SoC
nRF5 SDK	Software Development Kit for nRF51 and nRF52 Series
nRF5 SDK for Thread and Zigbee	Software Development Kit for the Thread and Zigbee solutions on the nRF52840
SEGGER Embedded Studio IDE	A powerful and easy to use toolbox for developers
S140	Bluetooth 5 20-link protocol stack

ORDERING CODES

Part #	Description
nRF52840-Dongle	Development dongle based on nRF52840

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