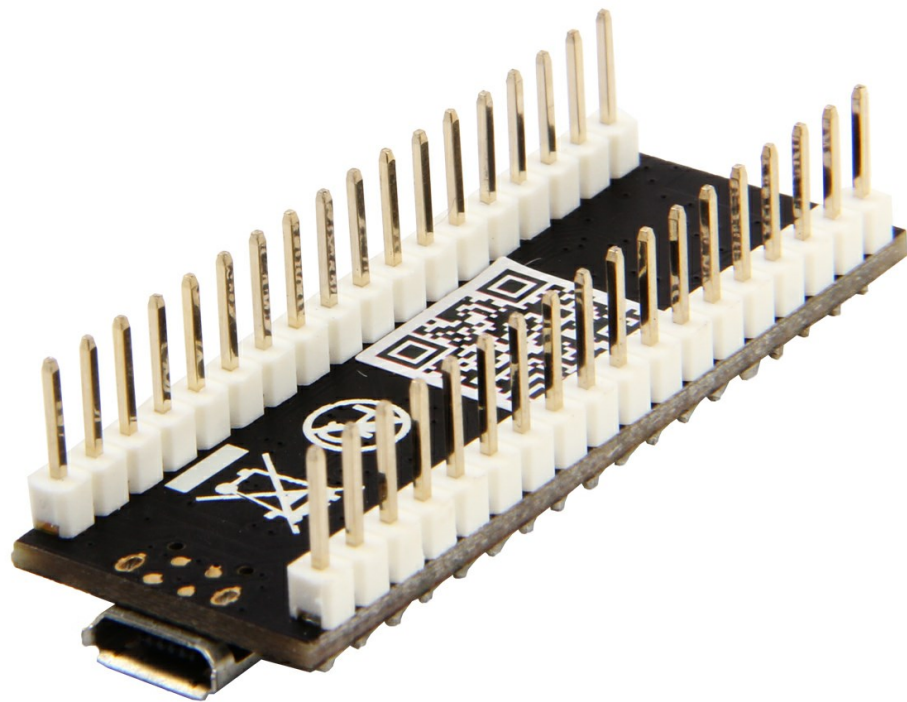
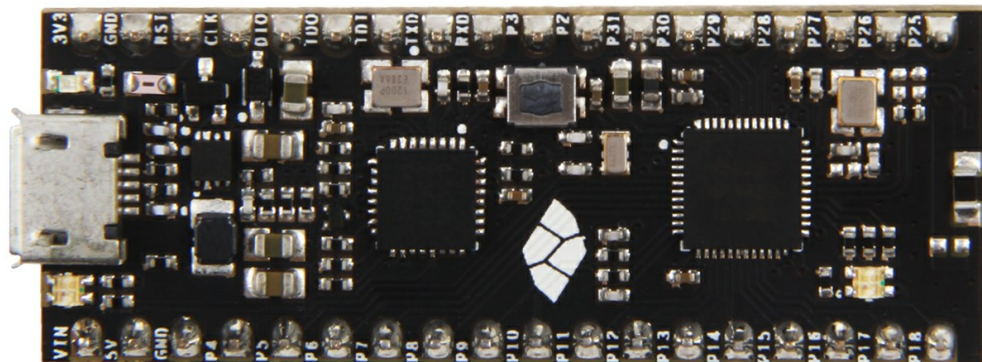
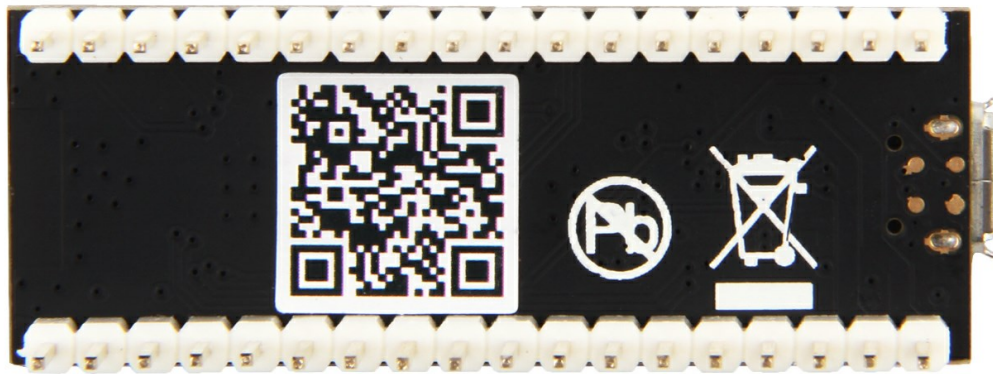






nRF52832-Micro Development Board

SKU 102991013 [Read all reviews](#) [f](#) [t](#) [g+](#) [p](#) [w](#)

[ADD TO CART](#)

Related



BLE Carbon

BLE Carbon

ADD TO CART



BLE Nitrogen

BLE Nitrogen

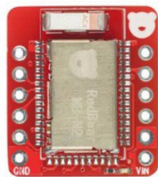
ADD TO CART



MDBT42Q - nRF52832 based BLE module

MDBT42Q - nRF52832 based BLE module

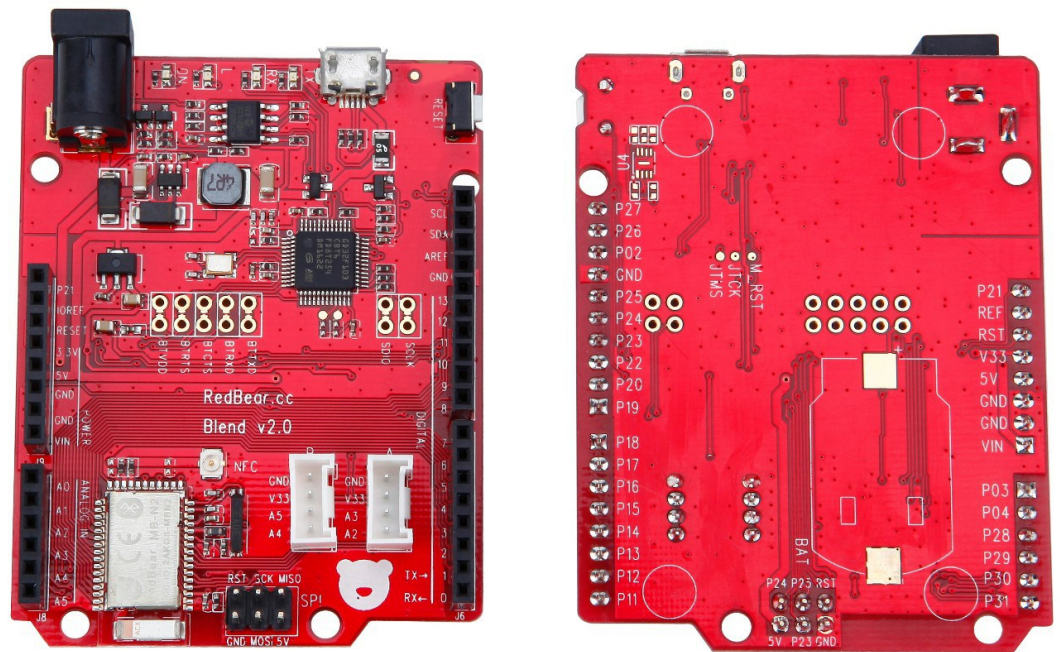
ADD TO CART



RedBear BLE Nano V2

RedBear BLE Nano V2

ADD TO CART



RedBear Blend V2

RedBear Blend V2

ADD TO CART

Description

The nRF52832-MDK is a fully open-source, versatile single board development kit for Bluetooth® low energy, ANT and 2.4GHz proprietary applications using the nRF52832 SoC.

The kit gives access to 24 I/Os and interfaces via headers and has a RGB LED which is user-programmable. It also has a 2.4GHz chip antenna onboard which is quite convenient to develop IoT wireless applications.

It supports the Nordic official SDK using GCC, Keil and IAR. Program/Debug options on the kit is DAPLink.

The nRF52832-MDK can also be used to play with multi-frameworks such as: nRF5 SDK, nRF5 SDK for Mesh, Mbed OS 5, Zephyr, Mynewt, JerryScript, Espruino, MicroPython, Web Bluetooth, Eddystone, etc.

Hardware Features

nRF52832-MDK provides the following hardware features:

- Nordic Semiconductor nRF52832
 - ARM® Cortex™-M4F
 - 512kB Flash Memory + 64kB RAM
 - Bluetooth low energy, ANT and 2.4GHz
 - NFC™-A tag
- Program/Debug options with DAPLink
 - MSC - drag-n-drop programming flash memory
 - CDC - virtual com port for log, trace and terminal emulation
 - HID - CMSIS-DAP compliant debug channel
- Up to 24 GPIOs at headers
- Reset Button

- 2.4GHz chip antenna
- 3.3V regulator with 1A peak current output
- VBUS & VIN Power-Path Management
- Breadboard-friendly
- 48mm x 18mm x 13mm with headers soldered in

nRF52832-MDK can be flashed via [DAPLink](#), which provides methods to program and debug an application running on ARM processors via SWD.

Using the CMSIS-DAP interface, the board can be flashed via the USB storage interface (drag-and-drop) and also via [pyOCD](#).

Support

Please contact support@makerdiary.co for technical support.

Technical Details

Dimensions48mm x 18mm x 13mm
 WeightG.W 14.50g N.W 12g
 BatteryExclude

Part List

nRF52832-MDK1

ECCN/HTS

ECCN5A002.a
 HSCODE8517709000

Documents

nRF52832-MDK Schematic
 nRF52832-MDK PCB
 nRF52832-MDK 3D STEP
 nRF52832-MDK Pinout

Learn



How to use It

An Open Source, Micro Development Kit for IoT Embedded Applications

Reviews

March 28,2018 by Anonymous User

Was this review helpful ?
 0

Questions and Answers

Have a question about

this? Ask people who

0

Is there any "blink" project example for Keil uvision5 IDE?

Trznadel.Pawe? on Dec 10,2017

Reply upvote (0)

@Trznadel you can use the examples for Keil 5 in nRF5_SDK. Here shows how to install the SDK: http://infocenter.nordicsemi.com/index.jsp?topic=%2Fcom.nordic.infocenter.sdk%2Fdita%2Fsd%2Fnrf5_sdk.html As Keil 5 MDK is not an open source toolchain, you can use GNU Arm Embedded Toolchain instead: <https://developer.arm.com/open-source/gnu-toolchain/gnu-rm> If you have any problem, feel free to post it.

support on Dec 11,2017 19:51 PM

Reply upvote (0)

@support Ok, I almost done it. In Keil after setting CMSIS-DAP as debugger which Flash Programming Algorithm should I choose for this board?

Trznadel.Pawe? on Dec 12,2017 22:06 PM

Reply upvote (0)

@Trznadel.Pawe? @Trznadel Just choose the nRF52xxx (2M on-chip-flash 0x00000000~0x001FFFFFFF) flash programming algorithm.

support on Dec 13,2017 12:58 PM

Reply upvote (0)

@support Huge thanks to you :) Everything works great. But now I have other problem (sorry :D). I see that Nordic doesn't give us bluetooth mesh examples for Keil IDE (because of Keil ARM MDK-Lite has a code size limit of 32kB). Support is for Embedded Segger Studio which require j-link debug probe :(Is there any possibility to replace somehow original DAPLINK with J-LINK?

Trznadel.Pawe? on Dec 16,2017 23:56 PM

Reply upvote (0)

@Trznadel.Pawe? I suggest that you use armgcc and openocd instead. They are open source and work pretty well. Hope it helps.

support on Dec 18,2017 15:18 PM

Reply upvote (0)

0 Where can I buy the nRF52832-MDK V2 (without the headers and can be connected to a PC directly)?

zfatmi13 on Jun 19,2018

Reply upvote (0)

Hi,there,

Seeed Techsupport Team on Jun 21,2018 10:56 AM

Reply upvote (0)

@Seeed Techsupport Team Hi, there. please tell us more details about you problem, I am little confused about your question, thanks!

Seeed Techsupport Team on Jun 21,2018 13:45 PM

Reply upvote (0)

0 Can this device be programmed with the mbed.com online compiler?

pierceprimm on Nov 15,2017

Reply upvote (0)

@pierceprimm, nRF52832-MDK can not be programmed with the mbed online compiler, but you can take nRF52-DK as a template.

support on Nov 16,2017 17:25 PM

Reply upvote (0)

0 Can we bypass the DAP Link programmer and program the NRF52832 chip on this board using an external programmer like Black Magic Probe ?

s.raj on Aug 03,2018

Reply upvote (0)

Hi there, you can bypass the daplink and use a external programmer which supports nRF52. The SWD interface pins are on the header. You can get the pins from the pinout diagram.

support on Aug 13,2018 13:24 PM

Reply upvote (0)

0

Hello, I'm looking for information how to run Real Time Terminal on this board using the USB connection for the communication between the PC and the nRF52832 chip. Is there any chance to open J-Link RTT Viewer application using your board?

Trznadel.Pawe? on Feb 04,2018

Reply upvote (0)

Hi Trznadel, I'm sorry to reply so late. RTT Viewer is only available for J-Link hardware. Alternatively this board has a virtual serial port for print log via DAPLink. Maybe someday we will create a similar tool like RTT Viewer and OPEN SOURCE.

support on May 18,2018 16:03 PM

Reply upvote (0)

0 Can this device be programmed with the regular Segger Embedded Studio IDE that we currently use to flash and debug the nRF52 DK ?
Halim H.Q on Nov 22,2017
@Halim, Embedded Studio can only be used with J-Link. This board supports openOCD but not J-Link.
support on Nov 23,2017 16:33 PM

Reply upvote (0)
Reply upvote (0)

nRF52832-Micro Development Board

SKU 102991013     

Read all 1 reviews

IN STOCK

50+ Available

ADD TO CART

- Related
- Description
- Technical Details
- Learn
- Reviews
- Questions and Answers

<>
✖

POPULAR SEARCHES

- PCB Manufacturing
- PCB Assembly
- PCB Layout
- 3D Printing
- PCB Stencil
- Lora
- ReSpeaker
- Grove
- Lidar
- GPS
- Can-Bus
- Arduino
- Arduino Shield
- Beaglebone
- Raspberry Pi
- FPGA
- LinkIt ONE
- Crazyflie 2.0
- Raspberry Pi 3 Model B
- RF Explorer
- DSO Nano v3
- HiKey
- rplidar
- raspberry pi relay
- RPLIDAR A2

Company

- About Sseed
- Distributors
- Careers
- Contacts

Help Center

- How to Get Help
- FAQ
- Technical Support
- Shipping & Order
- Warranty & Returns
- Payment Information

Community

- Project Hub
- Forum
- Blog
- Wiki

Stay Tuned

Subscribe to our newsletter.

email address

>



Select Language

▼

Select Language

▼