Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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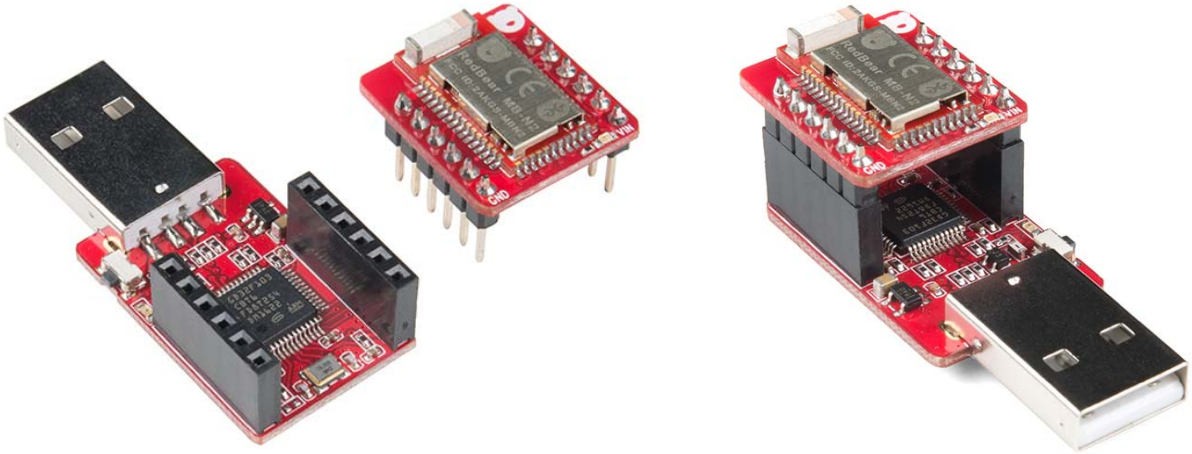
RedBearLab BLE Nano Kit v2 - nRF52832

WRL-14154



The BLE Nano v2 from RedBearLab is the smallest Bluetooth 4.2/5.0 Low Energy (BLE) development board on the market. With the included DAPLink USB in this kit, you'll be able to deploy firmware to BLE Nano v2 even easier. At each BLE Nano's core is a NordicnRF52832, an ARM Cortex-M4F System on Chip (SoC), plus BLE capable of running at 64MHz with ultra low power consumption. The RedBearLab BLE Nano also supports numerous different wireless devices running iOS 7/8, Android 4.3 or higher, and Windows Phone 8.1.

The DAPLink board functions as a USB dongle, accepting 5V from the USB port and regulating it to 3.3V via the onboard LDO, which can be used to power RedBearLab BLE Nano v2. When plugged into your computer, the USB board will appear as both a serial port and a removable mass storage disk.

Developing a Bluetooth Smart-enabled 'appcessory' (accessory device + companion application) is easier than ever. You can quickly produce prototypes and demos targeted for Internet of Things (IoT) and other interesting projects. The RedBearLab BLE Nano v2 can operate under 1.8V to 3.6V, making it able to work in conjunction with a wide variety of electronic components. Since the RedBearLab BLE Nano v2 can work as low as 1.8V, the DAPLink USB board has been designed to run at 1.8V as well. All you need to do to get the USB board to run at 1.8V is short the switch S. Then the regulator will output 1.8V instead, allowing your Nano to work with applicable components.

INCLUDES

- 1x RedBearLab BLE Nano v2
- 1x DAPLink USB Board

FEATURES

- Smallest BLE development board, only 18.5mm x 21.0mm
- Nordic nRF52832 ARM Cortex-M4F SoC (32-bit, @64MHz)
- 2.4 GHz transceiver
- Ultra low power consumption
- Bluetooth BLE 4.2 Certified & 5.0 Ready
- 64kb SRAM
- 512kb Flash
- Easy firmware deployment with the DAPLink USB board