



RedBear Duo IOT Board (Wi-Fi & BLE)

SKU:DFR0475

The RedBear Duo is a thumb-size development board made to simplify the building process of Internet of Things (IoT) products. Everything you need is built into the Duo. It contains WiFi, BLE and Cloud, all in a compact form factor that makes it ideal for your first prototype, a finished product, and everything in between.

The Duo is perfect for applications where you want to leverage BLE for low-power local communications with other BLE sensors and devices with the flexibility of waking up Wi-Fi to send data and communications back to the Cloud on a regular interval.

FEATURES

- Both Wi-Fi and BLE capabilities
- Free Particle IO Cloud Services
- Arduino, JavaScript and Python support (WiFi & BLE only)
- Broadcom WICED SDK (Wi-Fi & Bluetooth Dual Mode)
- Free Android and iOS Apps

SPECIFICATION

- STMicroelectronics STM32F205 ARM Cortex-M3 @ 120MHz, 128 KB SRAM and 1MB Flash
- Broadcom BCM43438 Wi-Fi 802.11n (2.4GHz only) + Bluetooth 4.1 (Dual Mode) combo chip
- On-board 16 Mbit (2 MB) SPI Flash
- Integrated chip antenna with the option to connect external antenna
- 18 GPIO pins
- RGB status LED
- Small single-sided PCB for easy mounting on other PCB boards
- Dimensions: 40 x 20 x13 mm

SHIPPING LIST

- RedBear Duo IOT Board (Wi-Fi & BLE) x1

