



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

