RedBoard Artemis

DEV-15444

Product Overview
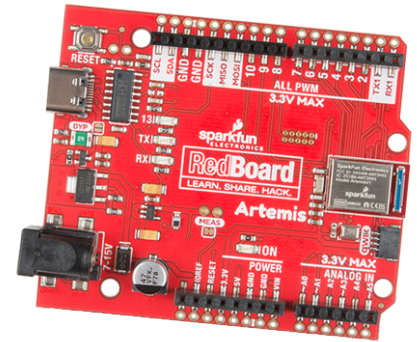
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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun DEV-15444 RedBoard Artemis features Arduino Uno R3 footprint, 1M Flash/384k RAM, and a processor that uses less than 1mA. This Artemis board features a modern USB-C connector that makes programming easy and a Qwiic connector that makes I^2C easy. The DEV-15444 RedBoard is fully compatible with SparkFun's Arduino core and can be programmed easily under the Arduino IDE.

This Artemis board features a digital MEMS microphone to experiment with always-on voice commands with TensorFlow and machine learning. The DEV-15444 RedBoard operates at 48MHz with a 96MHz turbo mode and Bluetooth® to boot. This Artemis board also features 2 UARTs, 6 I^2C buses, and 4 SPI buses.

Features

- Arduino Uno R3 footprint
- 24 GPIO - all interrupt capable
- Built-in BLE radio
- PDM interface
- I^2S interface
- Qwiic connector

Features

- 1MB flash
- 384K RAM
- 48MHz turbo speed
- 96MHz burst speed
- 10 ADC channels with 14-bit precision
- 2 UARTs
- 6 I^2C buses
- 4 SPI buses
- 21 PWM channels

![SparkFun Electronics logo]

Mouser Part Number

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To learn more, visit https://www.mouser.com/new/sparkfun/sparkfun-dev-15444-redboard-artemis/