

## SparkFun weather:bit - micro:bit Carrier Board (Qwiic)

DEV-15837

The SparkFun weather:bit is a fully loaded "carrier" board for the micro:bit that, when combined with the micro:bit, provides you with a fully functional weather station. With the weather:bit you will have access to barometric pressure, relative humidity and temperature readings. There are also connections on this carrier board to optional sensors such as wind speed, direction, rain gauge and soil readings! In this version we have also added a vertical Qwiic connector. The micro:bit has a lot of features and a lot of potential for weather data collection.

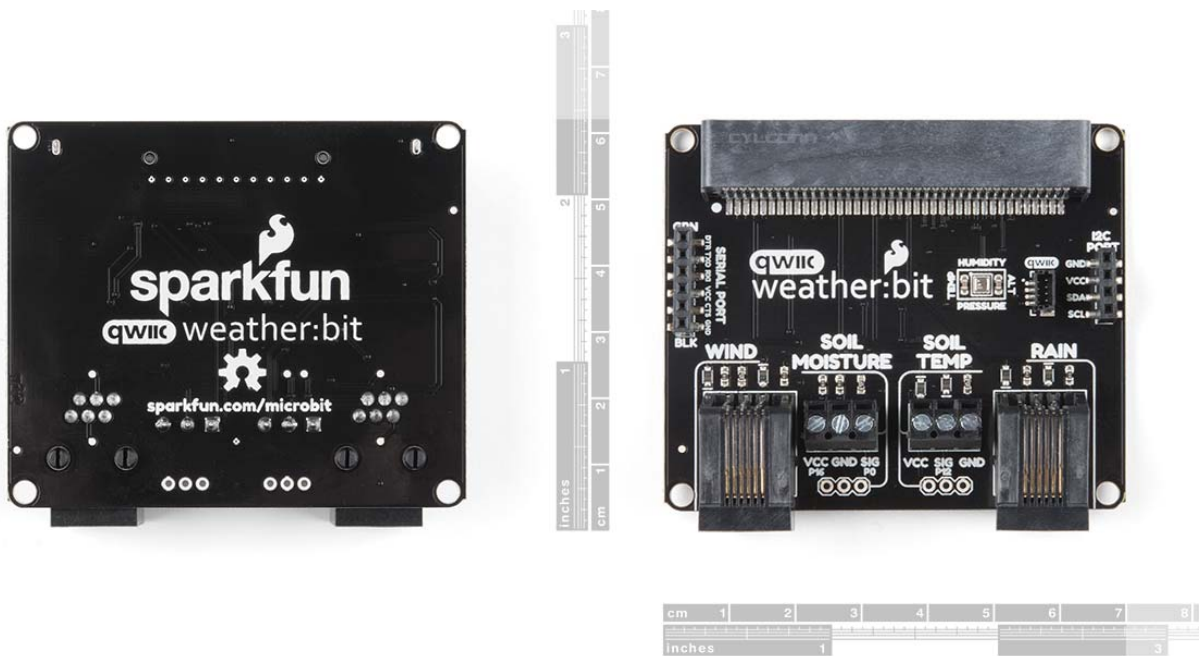
The weather:bit connects to the micro:bit via an edge connector at the top of the board, making setup easy. This creates a handy way to swap out micro:bits for programming, while still providing reliable connections to all of the different pins on the micro:bit. We have also included serial and I<sup>2</sup>C headers on the weather:bit for optimized connectivity if you so choose.

*The micro:bit is a pocket-sized computer that lets you get creative with digital technology. Between the micro:bit and our shield-like bit boards you can do almost anything while coding, customizing and controlling your micro:bit from almost anywhere! You can use your micro:bit for all sorts of unique creations, from robots to musical instruments and more. At half the size of a credit card, this versatile board has vast potential!*

**Note:** The SparkFun weather:bit does **NOT** include a **micro:bit board**. The micro:bit will need to be purchased separately

## FEATURES

- Onboard temperature, humidity, pressure and light sensor
- Connectors (PTH and screw terminal) for soil moisture and soil temperature
- Connectors (RJ11) for wind speed, direction and rainfall gauges
- Edge connector for easy micro:bit integration
- Vertical Qwiic connector
- Headers for Serial and I<sup>2</sup>C communication



<https://www.sparkfun.com/products/15837/2-10-20>