



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

DEV-16129

The SparkFun controller:bit is a fun-filled "carrier" board for the micro:bit that, when combined with the [micro:bit](#), provides you with a fully functional controller system. Designed in a similar form factor to the classic Nintendo controller, the controller:bit is equipped with a four-direction "D-pad" on the left side of the board and two action buttons on the right side of the board. The two push buttons on the micro:bit in the center function as start and select to complete the NES controller form factor.

The controller:bit connects to the micro:bit via an edge connector in the center 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 several poke home connectors on the back of the board that correspond to each button on the controller:bit, allowing you to use external parts to control your game, robot, or anything your heart desires!

If you are thinking, "Hey, this looks an awful lot like the SparkFun gamer:bit." You're correct! This is the latest revision of the gamer:bit with some updated components and a [Qwiic](#) connector! We found that this board could not be contained by the "gamer" name as we used it to control everything from robots to weather stations!

**Note:** The SparkFun controller:bit does **NOT** include a [micro:bit board](#). The micro:bit will need to be purchased separately.

*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!*

## FEATURES

- Edge connector for ease of use with the micro:bit
- Full direction “D-pad”
- Two action buttons
- NES controller style
- Poke home connectors for external inputs (i.e., arcade joystick and buttons)
- Qwiic Connector



<https://www.sparkfun.com/products/16129/4-6-20>