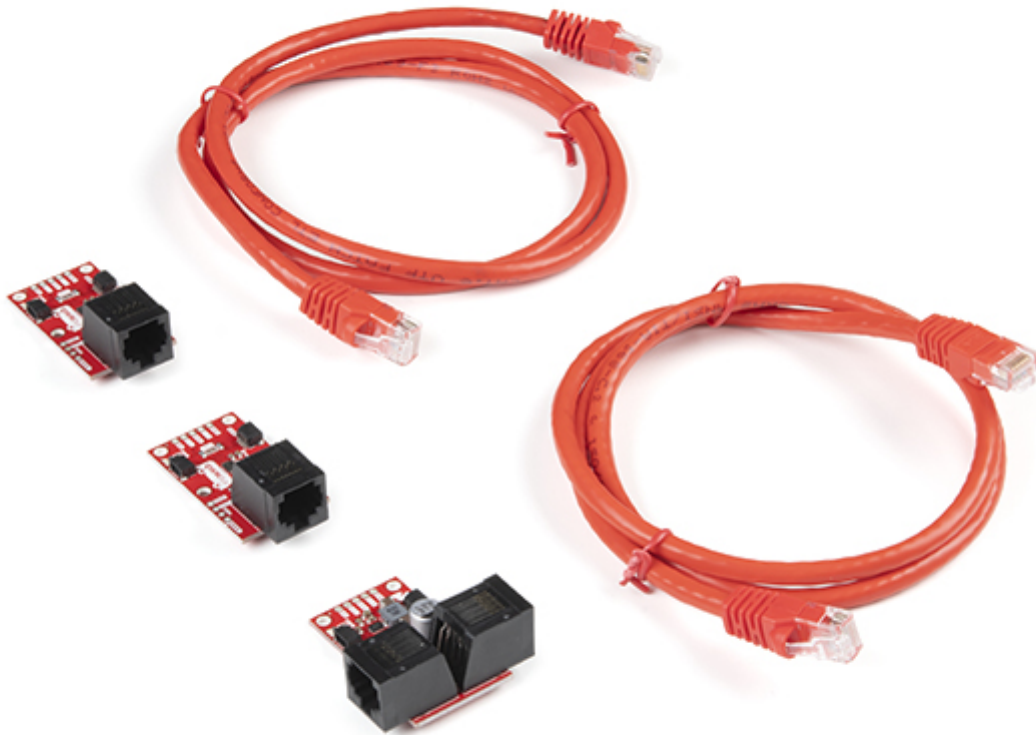


# SparkFun QwiicBus Kit

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The SparkFun QwiicBus Kit comes with everything you need to get started with the SparkFun QwiicBus system in one handy package. The kit includes two QwiicBus EndPoints, one MidPoint and two 3ft Ethernet cables.

The SparkFun QwiicBus EndPoint is the fastest and easiest way to extend the range of your I<sup>2</sup>C communication bus. Both boards use NXP's PCA9615 IC, which converts the two default I<sup>2</sup>C signals into four differential signals, two for SCL and two for SDA. The differential signals are sent over an Ethernet cable, which attaches to the breakout through the on-board RJ-45 connectors. The differential signaling allows the I<sup>2</sup>C signals to reach distances of up to 100ft. while still maintaining their signal integrity! To make it even easier to get your readings, all communication is enacted exclusively via I<sup>2</sup>C, utilizing our handy Qwiic system so no soldering is required to connect it to the rest of your system. However, we still have broken out 0.1"-spaced pins in case you prefer to use a breadboard.

The QwiicBus MidPoint works in tandem with the QwiicBus Endpoint so you can easily tap into it to drop in devices wherever you would like.

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*The SparkFun Qwiic Connect System is an ecosystem of I<sup>2</sup>C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong.*

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