

# Qwiic LED Stick - APA102C

COM-18354

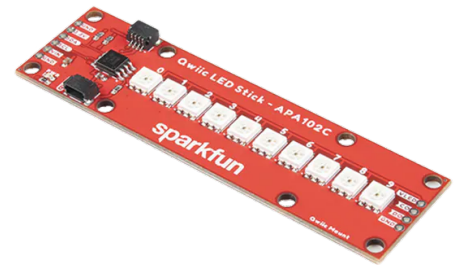
## Product Overview

10/12/2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

SparkFun Qwiic LED Stick - APA102C features ten addressable APA102 LEDs, to add full color LED control using I<sup>2</sup>C. Write to individual LEDs to display a count in binary or write to the whole strip for cool lighting effects. More LEDs can be added to the end. An Arduino library and Python package take care of the I<sup>2</sup>C and communication to the LEDs. The LED Stick has a default I<sup>2</sup>C address of 0x23 but can be changed with a simple command, allowing user to control up to 100 LEDs (10 Qwiic LED Sticks) on a single bus. The address can also be changed to 0x22 by closing the solder jumper on the back of the board.



This board is one of SparkFun's many Qwiic compatible boards. Simply plug and go, no soldering, no figuring out which is SDA or SCL, and no voltage regulation or translation required.

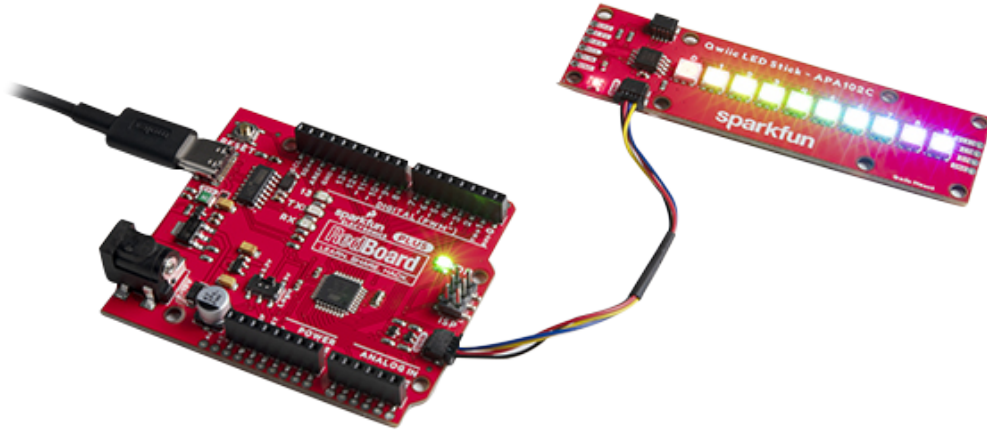
## Features

- 10x APA102C addressable LEDs driven by an ATTiny85
- Default I<sup>2</sup>C address: 0x23 (adjustable to 0x22 via Jumper)
- 2x Qwiic connectors

## Quick Links

- [Schematic](#)
- [Board Dimensions](#)
- [APA102C Datasheet](#)

## Connection Diagram



## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-qwiic-led-stick-apa102c/>