

## Serial Flash Breakout - Assembled 128Mbit

SPX-17115

Serial flash chips are *everywhere* and they're as useful as they are ubiquitous. If you've never used a serial flash device in your own projects, you should try it, because it's very handy to have a place to store things that don't fit in program memory. Things like sensor readings, long strings, and error logs can be hard to stow away on platforms that don't have a ton of in-built storage, which is where serial flash comes in. Simply write all of that data out over SPI for the flash chip to hold on to and retrieve it later! And thanks to their ubiquity, these chips have been largely standardized not only in terms of their software interface but also their hardware footprint, so there are plenty of serial flash chips to choose from.

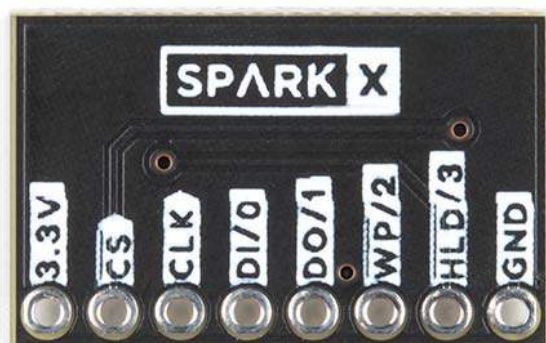
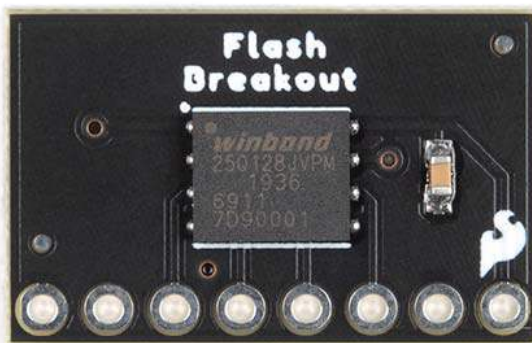
This board comes populated with the Winbond W25Q128JV serial flash memory which sports a standard, Dual-, and even Quad-SPI interface as well as a capacity of 128Mbits. That's 16 Megabytes! Surely, that's *more memory than anyone will ever need*.

We also sell this same board completely unpopulated in case you have a favorite flash memory with a WSON-8 6x5 footprint.

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## FEATURES

- 0.1" Pin Header
- 128M-bit / 16M-byte
- 133MHz Single, Dual/Quad SPI clocks
- 2.7 to 3.6V Supply Voltage



<https://www.sparkfun.com/products/17115/9-11-20>