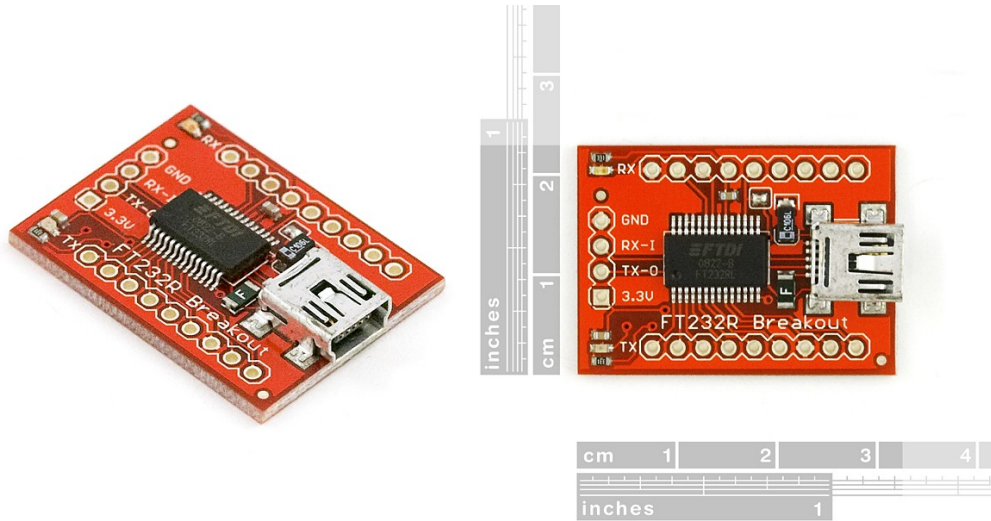


# SparkFun

## Breakout Board for FT232RL USB to Serial

sku: BOB-00718



**Description:** Basic breakout board for FTDI's popular USB to UART IC. Now with internal oscillator and EEPROM, the FT232RL is an impressive IC!

VCCIO is now tied to 3.3V through a solder jumper. You have the option of clearing this jumper and tying the VCCIO pin to 5V or any other IO voltage you need. For more information on how to wire VCCIO for 5V, checkout [this mini-tutorial](#) on the SparkFun forum.

Board comes assembled with IC as shown.

Check out these really well done [tutorials](#) on bit-banging SPI with the FT232. Nice work Michael!

**Dimensions:** 0.9x1.25"

### Features:

- Implements full v2.0 USB protocol
- Needs no external crystal
- Internal EEPROM for device ID and Product Description strings
- Royalty-Free Driver support for Windows, Linux, and Mac OSX

### Documents:

- [Schematic](#)
- [Eagle Files](#)
- [FT232RL IC Datasheet](#)
- [FTClean](#) (for removing extraneous/old ports)
- [Drivers](#)