

FT231X Breakout Kit

KIT-18291

Product Overview

10/10/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

The FT231X Breakout Kit from SparkFun is designed to get started with FTDI and features a UART hardware handshake. The pin-outs included in this breakout board match the FTDI cable to work with official Arduino and cloned Arduino boards. The FT231X kit features the DTR pin to allow an Arduino target to auto-reset when a new Sketch is downloaded. This kit features a jumper on the back that allows the VCC output to be configured to either 3.3V or 5V.

The FT231X kit operates at 3.3V maximum input that can operate down to 1.8V with external pull-ups and is also 5V tolerant. This breakout kit includes a 0.8m reversible USB-A to Micro-B cable and a 40-pin strip of male breakaway headers.



Features

- Full UART hardware handshake
- DTR pin allows an Arduino target to auto-reset
- 3.3V or 5V configurable VCC output
- The pinouts included works with official Arduino and cloned [Arduino boards](#)
- 3.3V maximum input that can operate down to 1.8V with external pull-ups
- 5V tolerant

Additional Resources

- [FT231X Breakout Schematic](#)
- [Datasheet \(FT231XS-U\)](#)
- [GitHub Hardware Repo](#)

Kit Contents

- 1x SparkFun FT231X Breakout
- 1x Reversible USB-A to Reversible Micro-B Cable - 0.8m
- 1x Break Away Headers - Straight



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-ft231x-breakout-kit/>