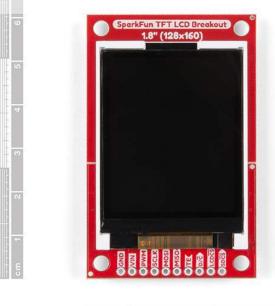# SparkFun TFT LCD Breakout - 1.8" (128x160)
LCD-15143

The SparkFun TFT LCD Breakout is a versatile, colorful, and easy way to experiment with graphics or create a user interface for your project. With a 4-wire SPI interface and microSD card holder, you can use this breakout to easily add visual display/interface capabilities to a project as well as providing all the storage you might need for multimedia files.
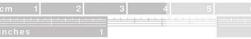
To get started with this breakout, you will need an Arduino compatible microcontroller of your choice - we recommend something with extra RAM like the SparkFun Thing Plus. The breakout can be powered with either 5V or 3.3V. The microSD card holder is connected to the same SPI bus as the display which keeps the required pin count low and exists to relieve the burden from your microcontroller's poor memory due to having to store hundreds of images of cats, or really whatever you want to keep there. We have also gone ahead and tricked out the SparkFun HyperDisplaylibrary with a driver made especially for this breakout!

Out of the box, the SparkFun TFT LCD Breakout will come with a large backing PCB that makes it easy to securely mount the display in a project. If you need a more flexible solution you can remove the display module, snap off half the backing board, and then re-insert the display module. When this is done you'll be left with the bare minimum frame around the display to more seamlessly integrate with your project.

FEATURES

- 128 x 160 RGB pixels
- Up to 18 bit configurable color depth
- 2x PWM controllabele LED backlight
- microSD Card Slot
- V-Score for Minimal Footprint Setup