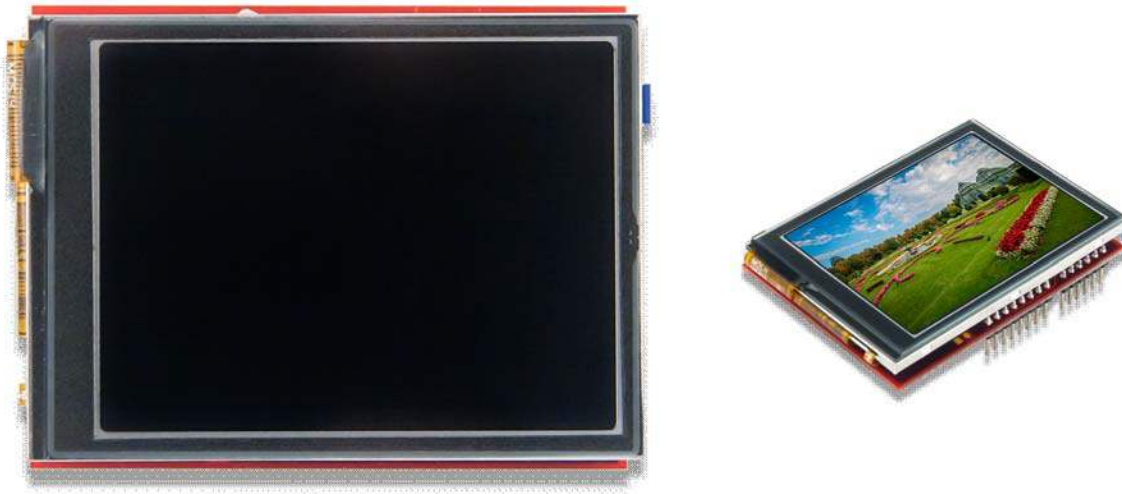


## Multi-Touch Display Shield: Smart Display

SKU: 410-317



### Product Description

The Multi-Touch Display Shield is a gorgeous 2.8" touchscreen display with a powerful on-board microcontroller that performs graphics processing tasks. The display is a capacitive touchscreen with QVGA resolution (320×240) and 2 finger multi-touch support.

The most compelling aspect of the Multi-Touch Display Shield is the programming experience provided by its Multi-Touch Display System (MTDS) Firmware and the associated libraries. These allow you to design sleek, stylish user interfaces quickly and with very little code. The timing dependent tasks are handled by the firmware, so integrating the display into existing projects is also a snap. Some of the key functionality provided by the libraries include the ability to draw basic shapes and text, draw images stored on microSD with binary transparency, draw buttons and easily check if they have been pressed, and check the status and location of the user's two fingers. The libraries are supported in Arduino IDE and Xilinx SDK, and have been tested with Arduino, chipKIT, and Arty host boards.

Note: This product also comes in Pmod form factor. See the Pmod MTDS page for more info.

### Features:

- 2.8" QVGA (320x240) display
- 16 bits per pixel color
- 2 point capacitive multi-touch
- 200MHz, 32-bit PIC32MZ based graphics driver
- On-board libraries with 100+ API functions
- microSD memory card slot

## What's

## Included:

One 2.8" Multi-Touch Display Shield

Digilent cardboard packaging with protective foam

