

1.8 Display ST7735 SPI Interface Without Touch



Description:

The 1.8-inch TFT LCD Module is a compact, vibrant display ideal for adding colorful and detailed visuals to your projects. With a 128×160 pixel resolution and support for 18-bit color (262,144 shades), it offers a sharp, high-quality display. The module uses a 4-wire SPI interface and includes an onboard ST7735R TFT driver, ensuring full compatibility with microcontrollers, even those with limited memory and pins. It operates with both 3.3V and 5V power, thanks to the integrated low-dropout 3.3V regulator and level shifter, making it versatile for various setups. Additionally, a microSD card slot is included for easy loading of full-color bitmaps from a FAT16/FAT32 format.

Key Features:

- High-Resolution Display: 128x160 pixel resolution for clear and detailed visuals.
- Compact Size: A 1.8-inch screen fits seamlessly into small projects.
- 4 IO Interface: Requires minimal GPIO pins, ensuring compatibility with most microcontrollers.
- Wide Color Range: Supports a full spectrum of RGB colors, providing vivid and bright output.
- Easy to Use: Compatible with standard libraries for Arduino and other platforms.

- 1.8-inch serial SPI colour display module
- Support analogue SPI and hardware SPI
- The LCD has a wide viewing angle, the contrast is also very suitable.
- Good quality display.

Specifications:

Item Type	Display
Driver IC	ST7735
Display Size (Inch)	1.8
Resolution	128X160
Interface	SPI
Input Voltage (V)	3.3 to 5
PCB Size (L x W) mm	57 x 34