

2.8inch RPi Display

User Manual



【Product Description】

- ◆ 2.8" TFT display, Hardware resolution 320X240
- ◆ Resistance touch screen
- ◆ 3 buttons for easy extension
- ◆ Support Raspberry Pi **Pi3B+/Pi3/Pi2/ZERO** and other full series versions
- ◆ This product has passed **CE** and **RoHS** certification

【Product Parameters】

- ◆ Size: 2.8(inch)
- ◆ SKU: MPI2801
- ◆ Resolution: 320X240 (pixel)
- ◆ Drive IC: ILI9341
- ◆ Touch: Resistance touch screen
- ◆ Active Area: 43.2x57.6(mm)
- ◆ Dimensions: 51.53x76.68(mm)
- ◆ Weight: 25(g)

【Hardware Description】

- ◆ Product dimensions:



- ◆ Interface Definition:

Pin	Marking	Description
1, 17	3.3V	3.3V Power input
2, 4	5V	5V Power input
3, 5, 7, 8, 10, 12, 13, 15, 16	NC	NC
6, 9, 14, 20, 25	GND	GND
11	TP_IRQ	Touch panel interrupt detected low level if touch panel is pressed
18	LCD_RS	Instruction/data register selection

19	LCD_SI / TP_SI	SPI data entry for LCD display/touch panel
21	TP_SO	SPI data output on the touch panel
22	RST	restoration
23	LCD_SCK / TP_SCK	SPI clock signal on LCD display/touch panel
24	LCD_CS	LCD select signal, low level select LCD
26	TP_CS	Touch panel select signal, low level select touch panel

【How to use with Raspbian】

- ◆ Step 1, Install Raspbian official image file
 - 1) Download the latest image from the official download.
 - 2) Install the system according to the official tutorial steps.
- ◆ Step 2, Install the LCD driver
 - 1) Connect the **2.8inch RPi Display** with the **Raspberry Pi** and plug it in



- 2) Log into the command line interface for **Raspberry Pi** (Initial user name: pi, Password: raspberry) , Get the latest drive from **GitHub** (the **Raspberry Pi** needs to connect to the Internet), Execute the following commands:

```
sudo rm -rf LCD-show
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/
sudo ./LCD28-show
```

After execution, the system will be restarted. If the display and touch are normal, the installation is successful.