

2.8inch SPI Module ILI9341 SKU:MSP2807

语言选择 Languages
►中文 (http://www.lcdwiki.com/zh/2.8inch_SPI_Module_ILI9341_SKU:MSP2807)
►EN (http://www.lcdwiki.com/2.8inch_SPI_Module_ILI9341_SKU:MSP2807)

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语言选择

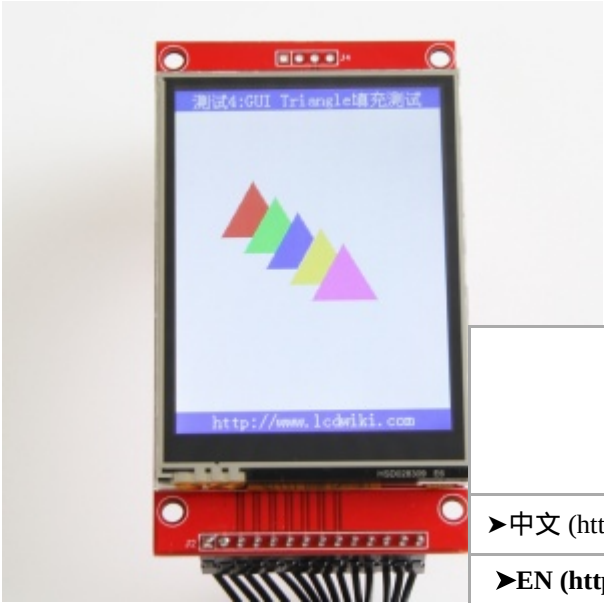
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Product Picture





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Product Description

- 2.8-inch color screen,support 65K color display,display rich colors
- 320X240 resolution, optional touch function
- Using the SPI serial bus, it only takes a few IOs to illuminate the display
- Easy to expand the experiment with SD card slot
- Provide a rich sample program
- Military-grade process standards, long-term stable work

- Provide underlying driver technical support

Product Parameters

Name	Parameter
Display Color	RGB 65K color
SKU	语言选择 Languages
Screen Size	
Type	►中文 (http://www.lcdwiki.com/zh/2.8inch_SPI_Module_ILI9341_SKU:MSP2807)
Driver IC	►EN (http://www.lcdwiki.com/2.8inch_SPI_Module_ILI9341_SKU:MSP2807)
Resolution	320*240 (Pixel)
Module Interface	4-wire SPI interface
Active Area (AA area)	43.2x57.6(mm)
Module PCB Size	50.0x86.0(mm)
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
VCC power voltage	3.3V~5V
Logic IO port voltage	3.3V(TTL)

Power Consumption	TBD
Rough Weight(Package containing)	No touch: 34(g) / With touch: 43(g)

Interface Definition



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Number	Pin Label	Description
1	VCC	5V/3.3V power input
2	GND	Ground
3	CS	LCD chip select signal, low level enable
4	RESET	LCD reset signal, low level reset
5	DC/RS	LCD register / data selection signal, high lev
6	SDI(MOSI)	SPI bus
7	SCK	SPI bus
8	LED	Backlig if not controlled, connect 3.3V always bright
9	SDO(MISO)	SPI bus read data signal, if you do not need to the read function, you can not connect it
(The following is the touch screen signal line wiring, if you do not need to touch function or the module itself does not have touch function, you can not connect them)		
10	T_CLK	Touch SPI bus clock signal
11	T_CS	Touch screen chip select signal, low level enable
12	T_DIN	Touch SPI bus input
13	T_DO	Touch SPI bus output
14	T_IRQ	Touch screen interrupt signal, low level when touch is detected

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Product Documentation

- **2.8 inch SPI Module User Manual** (http://www.lcdwiki.com/res/MSP2807/2.8inch_SPI_Module_MSP2807_User_Manual_EN.pdf)
- **2.8 inch TFT Specifications** (http://www.lcdwiki.com/res/MSP2807/QD-TFT2803%20specification_v1.1.pdf)
- **2.8 inch SPI Module Size Picture** (<http://www.lcdwiki.com/images/d/d7/MSP2807-002.png>)
- **2.8 inch SPI Module Schematic** (<http://www.lcdwiki.com/res/MSP2807/MSP2807-2.8-SPI.pdf>)
- **2.8 inch TFT LCD Schematic and PCB Package Library** (http://www.lcdwiki.com/res/MSP2807/Altium_Package_library.zip)

- **Driver IC ILI9341 Data sheet** (<http://www.lcdwiki.com/res/MSP2807/ILI9341%20Datasheet.pdf>)

Program Download

- **2.8 inch SPI Module Package** (http://www.lcdwiki.com/res/Program/Common_SPI/2.8inch/SPI_ILI9341_MSP2807_V1.1/2.8inch_SPI_Module_ILI9341_MSP2807_V1.1.zip)

Reference Material

- **Arduino IDE software use illustration** ([EN.pdf](#))
- **C51 Keil and stc-isp software use illustration** ([EN.pdf](#))
- **STM32 keil software use illustration** ([EN.pdf](#))
- **PCtoLCD2002 software use illustration** ([EN.pdf](#))
- **Image2Lcd software use illustration** ([EN.pdf](#))
- **Chinese and English display modulo settings** ([http://www.lcdwiki.com/Chinese_and_English_display_modulo_settings](#))

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How to use on Arduino

- **Module instructions for use on the Arduino** (http://www.lcdwiki.com/Run_Arduino_Demo_in_spi_model)

Common Software

- **PCtoLCD2002** (<http://www.lcdwiki.com/res/software/PCtoLCD2002.zip>)
- **Image2Lcd** (<http://www.lcdwiki.com/res/software/Image2Lcd.zip>)

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