

1.3 Inch 240x240 Resolution Circular IPS TFT LCD Screen with SPI Interface and PCAP Capacitive Touch

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Product Type: TFT LCD Screen
- Surface Luminance: 300 Cd/m2(nits)
- Driver IC: ST7789V Or Equivalent
- Technology: LCD
- Fpc Connect: 24 Pins (can Be Customized)
- Connectivity: Customizable
- Screen Type: LCD TFT
- Aa Size: 10.8(H) X 21.7 (V) Mm
- Highlight: **1.3 inch circular IPS TFT LCD , 240x240 resolution SPI LCD screen , PCAP capacitive touch TFT display**



Product Description

1.3" Inch 240x240 ST7789V SPI Interface Circular IPS TFT LCD Touch Screen

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Product Specifications

Product:	1.3" Inch Circular TFT Touch Screen	Resolution:	240x240
Driver IC:	ST7789V Or Equivalent	Touch Screen:	With PCAP Capacitive Touch Screen
Cover Glass Dimension:	Customizable	Viewing Direction:	IPS All Viewing Angles
Interface:	SPI (can Be Customized)	Connection:	Connector Type (Customizable)
Pin Number:	24 Pins (can Be Customized)	Surface Luminance:	300 Cd/m ² (nits) (Customizable)

Core Parameters and Features

Screen size: 1.3 inches (round, diagonal), visible area diameter approximately 23.4mm

Resolution: 240x240 pixels, high pixel density, clear and sharp text and icons display

Display technology: IPS wide-viewing-angle panel, nearly 180° full-view viewing, uniform color without color bias

Driver chip: Built-in ST7789V high-performance TFT LCD controller, stable driving, strong compatibility

Communication interface: 4-wire SPI serial interface, occupies few GPIOs, easy to connect with various single-chip microcontrollers such as STM32, ESP32, Arduino, Raspberry Pi, etc.

Touch function: Standard capacitive touch screen, supports bare finger touch, sensitive response, smooth interaction

Color and brightness: Can display 262K/65K colors, brightness approximately 300 cd/m², good outdoor visibility

Operating voltage: Logic voltage 3.0~3.6V, backlight LED usually driven by 3.3V, low power consumption design

Structure: Integrated TFT panel, backlight, driver IC, touch IC and FPC flexible cable, small size, thin (thickness approximately 1.4~1.5mm)

Main Applications

Smart wearable devices: Main display for smart watches, bracelets, health monitors, circular dials better fit product design

Smart home and small appliances: Circular control panels for smart speakers, thermostats, humidifiers, coffee machines, etc., display status and parameters

Handheld measuring instruments: Multimeters, oscilloscopes, temperature/humidity meters, blood oxygen monitors, display data, waveforms and charts

Industrial control and IoT: Status indicators and simple interactive interfaces for sensor terminals, PLC modules, LoRa remote controllers

Consumer electronics: Bluetooth earphone charging cases, translation devices, children's toys, electronic photo frames, mini game consoles

DIY projects and makers: Arduino/ESP32/Raspberry Pi expansion screens, creating electronic clocks, instruments, interactive devices, creative works

Vehicle and medical: Small vehicle meters, portable medical equipment, beauty devices, parameter display and touch operation for car and medical use



Frequently Asked Questions

1. I want the LCD display 8 digits and the outline size is 65x30x2.8mm?

No problem. Firstly, please kindly send us your specification/ drawing paper. If you have not the specification, you can also provide your samples; we will recommend the suitable one if it is standard products. Or we can customize for you based on your own requirement.

2. This LCD is just what we want, but it is big size, do you have any smaller size? And the display content need to be changed a little.

For the segment type LCD module, if you need modify the outline size or display content, a new LCD glass module is need. We have to open new tooling for you.

3. This LCD display is HTN type, but I want STN type, can you make?

That's all right. We can change for you as per you request.

4. I want customize a new LCD module. Can you do?

Yes, we can. Please send your drawing paper. If you have not, please advise me the outline size of the LCD display, display information (Glass thickness, Polarizer, Display Type, Connector mode, Storage Temp. Operating Temp. Supply Voltage, Viewing direction, drive condition), we can customize for you.

5. What is leading time for tooling?

General speaking, it will cost 15 to 25 days after drawing paper confirmation and tooling charge payment, we can report you the exact time when you confirm the drawing paper.

6. Can you send us samples for checking?

Yes. Samples order is available.

7. What is the Leading Time?

If we have stock for the standard ones, the leading time is one day after payment. If it is the mass production for special ones, the leading time is about 15-30 days. Suppose we can finish earlier, we will report the information in advanced.



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