



1.54 Inch TFT Display with 240x240 Dots Resolution and SPI Interface for High-Quality Visuals

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



Product Specification

- Lcd Type: IPS
- Backlight Technology: LED
- Pin Number: 10PIN
- Screen Size: 1.54 Inches
- Module Size: 31.52 X 33.72 X 1.94Max(D) Mm
- Aa Size: 27.72 X 27.72mm
- Interface: SPI
- Luminance: 250 Cd/m2
- Highlight: **1.54 Inch TFT Display ,
240x240 Dots LCD Screen,
SPI Interface TFT LCD Module**



More Images



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Product Description

SPI Interface 1.54 Inch TFT Display 240x240 Dots 10 Pin ZIF Connection

Product: 1.54 Inch TFT LCD

Touch Screen: Without

Resolution: 240x240 Dots

Cover Glass: Customizable

Viewing Direction: IPS, All Viewing Angles

Interface: SPI Interface

Connection: Plugging

Surface Luminance: 250 Cd/m²(nits)

LED Lifetime: 40,000 Hours

Certificate: ISO9001:2015 / ISO1400:2015

Compliance: Rohs & Reach Compliant

Technical Specifications

Item	Contents
LCD Size	1.54 inch (Diagonal)
Display Mode	Normally black
Resolution	240(H)RGB x 240(V)
Dot pitch	0.0975 (H) x 0.0975(V) mm
Active area	27.72 x 27.72mm
Module size	31.52 x 33.72 x 1.94Max(D) mm
Color arrangement	RGB Vertical stripe
Interface	SPI
Drive IC	ST7789P3
Luminance	250 (TYP) cd/m ²
Viewing Direction	All View
Backlight	2 White LED
Operating Temp.	-20°C~ + 70°C
Storage Temp.	-30°C~+ 80°C
Weight	TBD

SPI interface 1.54-inch TFT display with 240x240 pixels and 10-pin ZIF connection. This product is a small-sized liquid crystal display module with high resolution and excellent display performance.

Product Introduction

Appearance and dimensions: The screen size is 1.54 inches, with a display area of approximately 27.72×27.72 mm. The overall dimensions vary depending on the specific product, typically ranging from 31.52×33.72×1.95 mm. It is small in size and easy to integrate into various devices. It adopts a 10-pin ZIF (Zero Insertion Force) connection method, which is convenient for users to perform insertion and removal operations, improving the reliability and convenience of the connection.

Display performance: The resolution is 240x240 pixels, providing clear image and text display effects. Usually, it uses IPS technology, with an 80/80/80/80 wide viewing angle. When viewed from different angles, the color and brightness of the image change little. The color depth is 16-bit

color depth (RGB565), which can display rich colors and make the picture more vivid and realistic.

Interfaces and communication: It adopts SPI (Serial Peripheral Interface) communication method, which has the advantages of simple wiring and fast communication speed. Through the SPI interface, this module can be connected to microcontrollers and other master control devices to achieve data transmission and display control. Some products may also have onboard GDI interfaces, but the GDI interface needs to be used in conjunction with a device with a GDI interface.

Electrical characteristics: The working voltage is generally 3.3V-5V. The maximum power consumption when the entire screen is lit is approximately 24mA. It has the characteristic of low power consumption. The driving chip is usually ST7789, with a working temperature range of -30°C to +70°C, which can adapt to a wide range of environmental temperatures.

Product Applications

Wearable devices: Due to their small size and low power consumption, they are suitable for applications in smart watches, smart bands, and other wearable devices, used to display information such as time, steps, and heart rate.

Consumer electronics: They can be used in MP3, MP4 players, etc., to display song lists, album covers, playback progress, etc. They can also be used in homemade small TVs, mini game consoles, etc., to display animations and images.

Instrumentation: In some small instruments and meters, such as electronic thermometers, hygrometers, multimeters, etc., this display module can clearly display measurement data and related information, making it convenient for users to read.

Other fields: They can also be applied to desktop weather display stations, smart home control panels, etc., to display weather information, device status, etc., providing users with an intuitive interactive interface.

BIGBOOK TFT LCD Module Series

Our standard TFT LCD Module sizes: 1.44", 1.77", 2.0", 2.4", 2.8", 3.2", 3.5", 4"(3.97"), 4.3", 5", 7", 8", 9", 10.1"

Developed 4.0"(3.97") LCD module with IPS glass

Developed 2.4" to 7.0" TFT LCD with ZIF FPC connection

Standard CTP for 3.2", 3.5", 4.3", 5.0", 7", 8", 10.1"

High transmittance RTP for 4.3" and 7"

Can make customized CTP





Frequently Asked Questions

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.

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.

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.

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.

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.

Can you send us samples for checking?

Yes. Samples order is available.

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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