

1.54 Inch Square IPS TFT LCD Screen with 240x240 Resolution and SPI Interface

Our Product Introduction

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

- Backlight: LED
- Luminance: 250 Cd/m²
- Resolution: 240*240 Pixels
- Module Size: 31.52(W) X 33.72(H) X 1.94(T)
- Display Size: 1.54 Inches
- Colors: 262K
- Screen Type: LCD TFT
- Viewing Angle: ALL
- Highlight: **240x240 Resolution IPS TFT LCD Screen , SPI Interface TFT Display Module , 1.54 Inch Square LCD TFT Screen**



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Product Description

IPS TFT LCD 1.54 Inch Square Display 240×240 Dots Resolution SPI Interface

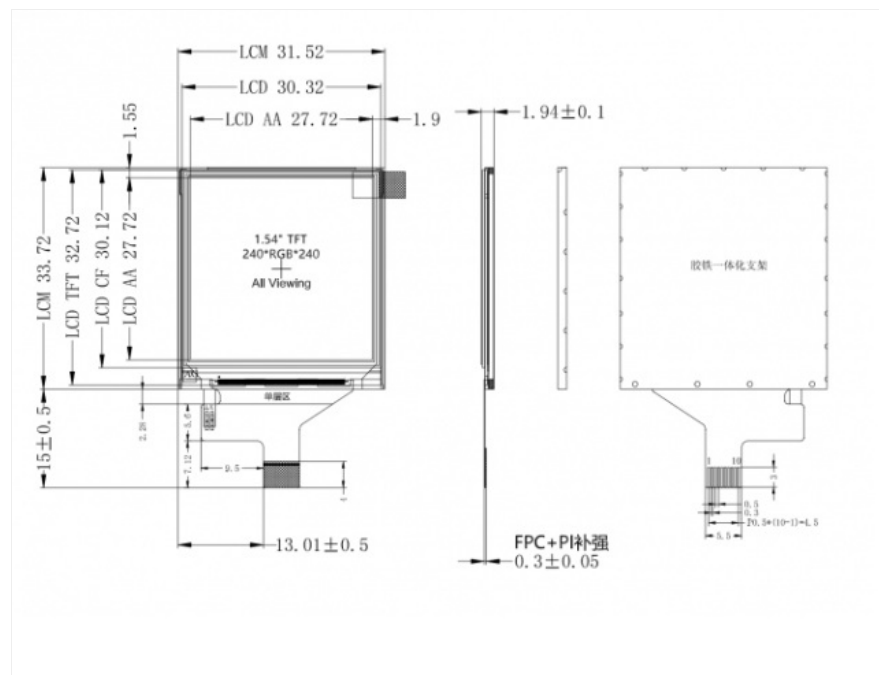
Product Overview

This 1.54-inch square IPS TFT LCD display features 240×240 resolution with SPI interface, offering excellent color performance and wide viewing angles for embedded applications.

Technical Specifications

Item	Specification	Unit
Display Mode	Normally Black, Transmissive	/
Viewing Direction	ALL	/
Colors	262K	/
Drive IC	ST7789	/
Interface Type	4 Wire SPI	/
Dimensional Outline	31.52(W) x 33.72(H) x 1.94(T)	mm
LCD Active Area	27.72(W) x 27.72(H)	mm
Resolution	240 RGB(H) x 240(V)	pixels
Pixel Pitch	0.1155(W) x 0.1155(H)	mm

Mechanical Drawing



Pin Definition

Pin.No	Symbol	Description
1	GND	Ground
2	D/C	Register select pin D/C='1': Display data. D/C='0': Command data.
3	CS	Chip select pin("Low" enable)
4	SCL	Serial clock pin
5	SDA	Serial data input / output

6	RESET	LCM Reset pin
7	VCC	Power supply for Analog(2.8V-3.3V)
8	GND	Ground
9	LEDA	Anode of Backlight
10	LEDK	Cathode of Backlight

Product Features

IPS technology provides wide viewing angles up to 80° in all directions

262K color support with bright, vivid display quality

ST7789 drive IC with 4-wire SPI interface

240×240 pixel resolution with 220 PPI density

Compact square form factor: 27.72×27.72mm active area

3.3V operating voltage with backlight brightness control

Wide operating temperature range: -20°C to 70°C

Compatible with Arduino, ESP32, STM32, and Raspberry Pi

Typical Applications

Maker projects and open-source hardware visual panels

Wearable devices: smart watches, fitness trackers

Industrial instruments and medical equipment displays

Smart home and IoT terminal status screens

Consumer electronic auxiliary displays

Product Images





Frequently Asked Questions

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

Yes, we can accommodate custom specifications. Please provide your detailed specification document or drawing. If you don't have specifications, you can send samples and we'll recommend suitable products or create custom solutions based on your requirements.

This LCD is what we want, but it's too big. Do you have smaller sizes?

For segment type LCD modules requiring size or display content modifications, we can create new LCD glass modules with custom tooling to meet your specific requirements.

This LCD display is HTN type, but I want STN type. Can you make it?

Yes, we can modify the display type according to your specifications and requirements.

Can you customize a new LCD module for us?

Absolutely. Please provide your drawing specifications. If you don't have drawings, please specify the outline size, display information (glass thickness, polarizer, display type, connector mode, temperature ranges, supply voltage, viewing direction, drive conditions), and we'll create a custom solution.

What is the lead time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling charge payment. We'll provide exact timelines once your drawing specifications are confirmed.

Can you send samples for evaluation?

Yes, sample orders are available for quality checking and testing.

What is the production lead time?

For standard products in stock, lead time is one day after payment. For mass production of special orders, lead time is approximately 15-30 days. We'll notify you immediately if we can complete production earlier.



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