

4 Inch 480x800 IPS TFT LCD Module with RGB Interface and RTP Resistive Touch Screen

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

- Display Type: TFT
- Module Size: 57.14×96.85mm
- Touch Screen: Customized
- Technology: LCD
- Luminance: 300 Cd/m²
- Connectivity: Plugging
- Operating Temperature: -20°C To 70°C
- Aa Size: 51.84×86.4mm



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Product Description

4 inch 480x800 with RGB interface RTP touch IPS TFT LCD Module

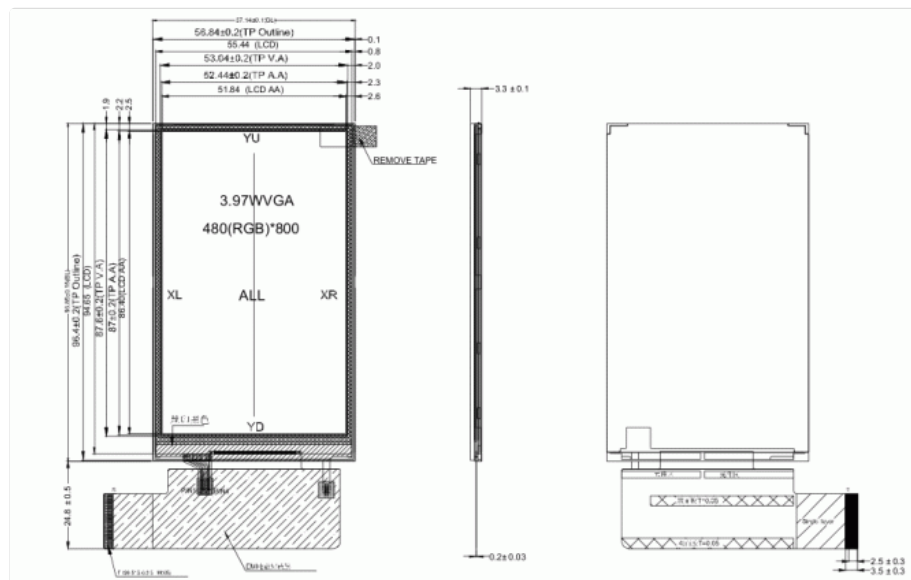
Product Overview

This 4-inch 480x800 RGB interface RTP touch IPS TFT liquid crystal module is an industrial-grade display module with high integration and strong adaptability.

Technical Specifications

Product:	4"inch TFT LCD Touch Screen	Touch Screen:	Resistive Touch Panel (RTP)
Resolution:	480x800	Viewing Direction:	IPS Full Viewing Angle
Driver IC:	ILI9806E	Pin Number:	51 Pins
Connection:	Plugging	Surface Luminance:	300 Cd/m2 (nits)
Interface:	RGB	LED Lifetime:	40,000 Hours

Technical Drawing



Core Specifications

Size: 4 inches (approximately 3.97 inches in actual size), resolution 480×800 (WVGA)

Display Technology: IPS (Planar Conversion), achieving full viewing angle (up, down, left, right ≥ 80°), color uniformity, no color bias

Interface: RGB 24-bit, compatible with mainstream embedded controllers such as STM32, RK, etc.

Touch: RTP (Four-wire Resistive), supporting precise pressure sensing, strong anti-interference

Driver: Built-in ST7701/ILI9806E and other driver ICs, supporting 65K/262K true color

Physical Parameters: Dimensions 57.14×96.85mm, thickness approximately 2mm; effective display area 51.84×86.4mm

Electrical: 3.3V power supply, low power consumption; backlight life ≥ 40,000 hours

Environment: Operating temperature -20 ~70 , anti-static (ESD 8KV)

Main Applications

Industrial Control: PLC, Human-Machine Interface (HMI), Equipment Operation Panel, Data Acquisition Terminal

Smart Terminal: Handheld Devices, Portable Detectors, Navigation Devices, Industrial PDAs

Medical Equipment: Monitoring Devices, Ultrasound Devices, Portable Diagnostic Equipment

Smart Home: Smart Door Locks, Central Control Panels, Video Intercom, Home Appliance Control Panels

Consumer Electronics: Vehicle Displays, POS Machines, Electronic Photo Frames, Educational/Entertainment Devices

Core Advantages

IPS Full View: Clear visibility from any angle, suitable for multiple viewers or installation in small spaces

RGB High-Speed Interface: Fast data transmission, suitable for dynamic images and video display

RTP Resistive Touch: Low cost, resistant to interference, suitable for industrial / harsh environments

Wide Temperature + Low Power Consumption: Adapt to harsh scenarios such as outdoor / vehicle-mounted / industrial

Compact and Lightweight: Easy to integrate into various small devices



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.

Our Services

Free repair within one year after the shipment of products from us.

Replacement within 30 days after the shipment of products from us due to products' problems.

We can print your logo and stick your model No. on the cameras.

We have long cooperation with many shipping companies and our export volume is large. The shipping companies can offer us good discounts.

Professional technician supports. We have a good after-sales service team. They can solve your problems in time.

All goods will be inspected and tested by our engineers and QC/QA before packing and shipment.

Customers satisfactory is most important to us. If you have any problem or questions regarding our transaction. Please contact us by Email or online. It will be responded within 24 hours.

Products pictures only for your reference. Please kindly refer to the specification. We can provide the products basic on the specification. Or you can offer your own specification or drawing, we can customize all kinds of LCD displays for you.



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