



## 7 Inch 1024x600 IPS LCD Display with RGB Interface and Capacitive Touch Screen Module

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 Technology: LED
- Active Area: 154.21×85.92mm
- Operating Temp: -20°C To +70°C
- Ctp Interface: I2C
- Brightness: 200 Cd/m<sup>2</sup>
- Touch Screen: Capacitive Touch Screen(CTP)
- Pins: 50 Pins
- Connection: FPC ZIP Connector
- Highlight: **7 inch IPS LCD display ,  
1024x600 capacitive touch screen,  
RGB interface LCD module**



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# 7 Inch 1024x600 IPS Full Viewing Angle RGB Interface TFT LCD Touch Screen Module

## Product Overview

This 7-inch IPS full-view TFT LCD touch screen module features a 1024x600 resolution and utilizes an RGB parallel interface with integrated capacitive touch screen (PCAP). It delivers high-definition display, wide viewing angle, high contrast ratio, and low power consumption, making it ideal for embedded systems and industrial-grade applications.

## Technical Specifications

<b>Keywords</b>	7" Inch TFT LCD Touch	<b>Touch Screen</b>	Capacitive Touch Screen (CTP)
<b>Resolution</b>	1024x600	<b>Cover Glass Dimension</b>	Optional For Customization
<b>LCM Interface</b>	RGB	<b>Surface Luminance</b>	200 Cd/m <sup>2</sup>
<b>LED Lifetime</b>	40,000 Hours	<b>Pins</b>	50 Pins
<b>Viewing Direction</b>	All	<b>CTP Interface</b>	I2C
<b>Operating Temp.</b>	-20 To +70	<b>Compliance</b>	REACH & RoHS Compliant

## Technical Drawing



## Core Parameters

- Size:** 7 inches (diagonal), effective display area 154.21x85.92mm
- Resolution:** 1024x600 (WSVGA, 16:9 widescreen), approximately 170 PPI
- Display Technology:** IPS (planar conversion), full viewing angle (up, down, left, right ≥ 170°), high color reproduction
- Brightness / Contrast:** Typical brightness 500-1000cd/m<sup>2</sup>, contrast 800:1, 8bit color depth (16.7M colors)
- Interface:** RGB 24-bit parallel interface (compatible with STM32, RK3288, etc.), touch is I2C/USB
- Touch:** Capacitive (PCAP), supports 5-10 point touch, high sensitivity, strong anti-interference
- Electrical:** 3.3V power supply, industrial-grade wide temperature range (-20 ~+70 ), compliant with RoHS
- Structure:** FPC wiring connection, optional black/white cover glass, thickness approximately 5-10mm, easy to embed in housing

## Applications

- Industrial Control (HMI):** Industrial Human-Machine Interface, PLC Control Panel, Equipment Operation Panel
- Internet of Things (IoT) Terminal:** Smart Home Central Control Panel, Smart Speakers/Panels, Building Intercom
- Medical Equipment:** Portable Testers, Monitoring Devices, Ultrasound Equipment
- Commercial Equipment:** POS Cash Registers, Self-service Inquiry Machines, Advertising Machines
- Vehicle-mounted and Portable:** Vehicle Navigation, Reverse Camera, Portable Display, Handheld Terminal (PDA)
- Embedded Development:** Compatible with Arduino, Raspberry Pi, STM32 and other development boards

## Key Advantages

- High Definition + Wide Viewing Angle:** IPS technology ensures multi-angle visibility
- Universal Interfaces:** RGB interface is simple and suitable for embedded solutions
- Industrial Grade Reliability:** Wide temperature range, low power consumption, anti-interference
- Touch Friendly:** Capacitive Touch supports multi-point gestures, fast response



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## Frequently Asked Questions

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

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we will recommend suitable products or customize based on your requirements.

**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 segment type LCD modules, if you need to modify the outline size or display content, a new LCD glass module is required. We will create new tooling for you.

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

Yes, we can change the display type according to your request.

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

Yes, we can. Please send your drawing paper. If you don't have one, please provide the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition).

**What is leading time for tooling?**

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will provide exact timing upon drawing confirmation.

**Can you send us samples for checking?**

Yes, sample orders are available.

**What is the Leading Time?**

For standard products in stock, lead time is one day after payment. For mass production of special orders, lead time is about 15-30 days. We will inform you if we can finish earlier.

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## Our Service Commitment

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- Free repair within one year after product shipment
- Replacement within 30 days after shipment due to product problems
- Custom logo printing and model number application available
- Established shipping partnerships with competitive rates
- Professional technical support and responsive after-sales service team
- All goods inspected and tested by engineers and QC/QA before shipment
- 24-hour response time for customer inquiries and issues
- Customization available based on your specifications or drawings



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