

## 5 Inch 800×480 Resolution TFT LCD Screen with 50 Pins Capacitive Touch Display Module

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: IDO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.74-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



### Product Specification

- Pins: 50 Pins
- Module Size: 120.7(L) X 76.3(W) X 2.8(T) Mm
- Contrast Ratio: 800:1
- Interface Types: RGB
- Connection: Plugging / ZIF
- Display Size: 5 Inches
- Operating Voltage: 3.3V / 5V
- Luminance: 450 Cd/m<sup>2</sup>



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## Product Description

### 5 Inch Capacitive Touch Screen 800×480 LCD TFT Touch Display

#### Product Overview

Keywords:	5 Inch TFT LCD
Outline Dimension:	120.7(L) X 76.3(W) X 2.8(T) mm
Touch Screen:	Capacitive Touch
Resolution:	800*480
Cover Glass:	ODM
Interface:	RGB
Connection:	Plugging / ZIF
Surface Luminance:	450 Cd/m <sup>2</sup>

This 5-inch TFT LCD capacitive touch screen with 800×480 resolution features an IPS wide-angle panel, making it the mainstream mid-range display and touch solution for industrial and embedded applications. It offers an optimal balance of clarity, stability, and cost advantages.

#### Display Specifications

**Size:** 5 inches (wide screen 16:9)

**Resolution:** 800×480 (180 ppi), 16.7M colors (24-bit)

**Panel:** Mainstream IPS with viewing angles of approximately 80° up, down, left and right

**Brightness:** Normal 400-500 cd/m<sup>2</sup>, outdoor high-brightness model up to 800-900 cd/m<sup>2</sup>

**Contrast:** Approximately 800:1-1000:1

**Backlight:** WLED with lifespan of approximately 40,000 hours

#### Touch Characteristics

**Type:** Projected Capacitive (PCAP)

**Touch Points:** Supports 5-point touch with high sensitivity

**Driver IC:** Common FT5426G, GT911 with I2C interface

**Surface:** Tempered glass with hardness 6H, scratch-resistant and wear-resistant

**Features:** Fingerprint resistant

#### Interfaces and Structure

**Interfaces:** 24-bit RGB as main type, some with MCU/SPI/I2C

**Compatibility:** STM32, Raspberry Pi, and most controllers

**Size:** Module approximately 120.7(L) × 76.3(W) × 2.8(T) mm

**Effective Display Area:** 108 × 64.8 mm

**Operating Temperature:** -20°C to +70°C, wide temperature model up to -30°C to +80°C

#### Main Applications

**Industrial Control:** PLC human-machine interface, equipment control panel, production line terminal, data collector

**Vehicle Terminal:** Construction machinery/forklift operation screen, reversing camera, driving record device, navigation assistance

**Medical Equipment:** Portable detector, vital sign monitor, infusion pump

**Smart Home:** Central control panel, smart switch, visible doorbell, temperature control panel

**Commercial Equipment:** POS cash register, self-service terminal, scanning device

**Embedded Development:** STM32/ESP32/Arduino prototype development, DIY projects





## Frequently Asked Questions

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

Yes, please send us your specification or drawing. If you don't have specifications, you can provide samples and we'll recommend suitable products or customize based on your requirements.

### **This LCD is what we want, but it's too big. Do you have smaller sizes? Can the display content be modified?**

For segment type LCD modules, modifying outline size or display content requires a new LCD glass module, which involves creating new tooling.

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

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

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

Yes, we can customize LCD modules. Please send your drawing or provide outline size, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive condition).

### **What is the lead time for tooling?**

Typically 15 to 25 days after drawing confirmation and tooling charge payment. We'll provide exact timing upon drawing confirmation.

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

Yes, sample orders are available.

### **What is the lead time?**

For standard products in stock: 1 day after payment. For mass production of special products: approximately 15-30 days. We'll inform you if we can finish earlier.

## Our Services

- 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
- Professional technical support with responsive after-sales service team
- All goods inspected and tested by engineers and QC/QA before packing and shipment
- 24-hour response time for customer inquiries and problems
- Customization available for all types of LCD displays based on your specifications



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