



## 3.5 Inch MCU Interface TFT LCD Display with Capacitive Touch Screen and ILI9488 Driver

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



### Product Specification

- Backlight Technology: LED
- Size: 3.5 Inches
- Interface Types: MCU&SPI
- Product Type: TFT LCD Screen
- Connectivity: Plugging (customizable)
- Touch Screen: CTP
- Viewing Angle: 12:00
- Pin Number: 32 Pins
- Highlight: **3.5 Inch TFT LCD Screen ,  
MCU Interface TFT LCD Display ,  
Capacitive Touch Screen LCD Display Module**



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### 3.5 Inch MCU Interface With ILI9488 CTP TFT LCD Display

<b>Product:</b>	3.5" Inch TFT LCD Screen
<b>Touch Screen:</b>	With CTP
<b>Capacitive Touch:</b>	Standard And Customized Options
<b>Resolution:</b>	320x480 Dots
<b>Viewing Direction:</b>	12:00
<b>Interface:</b>	MCU & SPI
<b>Pin Number:</b>	32 Pins
<b>Connection:</b>	Plugging
<b>Surface Luminance:</b>	300cd/m2 (nits)
<b>LED Lifetime:</b>	40,000 Hours

3.5-inch TFT liquid crystal display interfaces with ILI9488 single-chip microcontroller, combined with a 3.5-inch capacitive touch screen. It is a highly functional display module.

#### Product Introduction

**Resolution:** Typically 320×480 pixels, providing clear image display effects for general display requirements

**Driver Chip:** Uses ILI9488 driver chip with stable performance, supporting SPI (4-wire) communication and 8/16-bit parallel interfaces

**Touch Chip:** Features capacitive touch technology with GT911 touch IC using I2C communication for multi-point touch with excellent sensitivity

**Interface Method:** Includes display interface for ILI9488 plus independent touch interface pins (SCL, SDA, INT), with optional SD card slot for bitmap display

**Working Voltage:** Typically operates between 3.3V and 5V depending on product specifications

**Physical Size:** Compact and thin design from various manufacturers for easy installation and device integration

#### Product Applications

**Industrial Control:** Operation interface for industrial equipment including injection molding machines and PLCs, displaying real-time parameters and status information

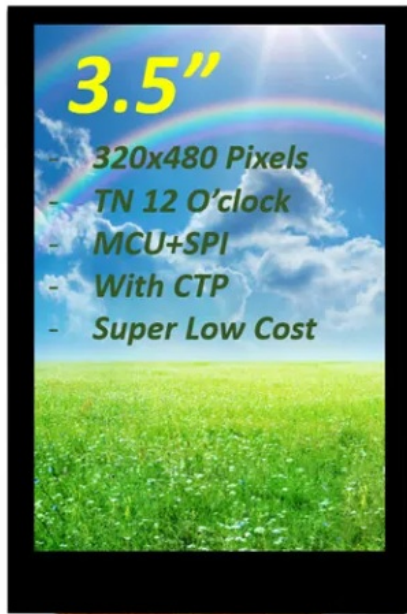
**Smart Home:** Control terminal for smart home systems to display and control device status including lights, temperature, and humidity

**Medical Equipment:** Used in medical instruments like blood glucose meters and portable ultrasound devices for data and image display

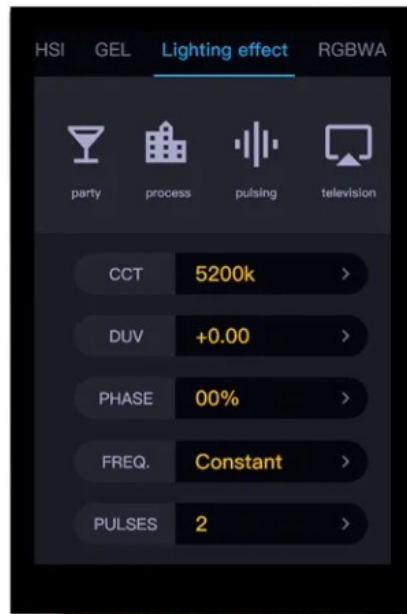
**Handheld Devices:** Ideal for handheld POS machines and data collectors with convenient capacitive touch operation

**Vehicle-mounted Electronics:** Suitable for vehicle dashboards and navigation devices with wide temperature range and anti-interference capabilities

**Educational Projects:** Display and interaction interface for electronic teaching experiments and robotics projects



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## Frequently Asked Questions

### **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?**

That's all right. We can change the type according to your request.

### **I want 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 of the LCD display, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition), and we can customize for you.

### **What is leading time for tooling?**

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will provide the exact timeline when you confirm the drawing paper.

### **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 approximately 15-30 days. We will notify you in advance if we can finish earlier.



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