



## 2.4 Inch IPS TFT LCD Display with 350 cd/m<sup>2</sup> Brightness 240x320 Resolution and 40 Pin MCU 16 Bit Interface

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



### Product Specification

- Interface: MCU 8//16 BIT RGB 16/18BIT
- Storage Temp: -20 ~+60
- Type: IPS TFT LCD Display
- Screen Size: 2.4 Inches
- Number Of Pixels: 240 (H)×320(V)
- Display Type: TFT LCD
- Screen Type: TFT
- Touch Panel: Customed
- Highlight: **350 cd/m<sup>2</sup> IPS TFT LCD Display ,  
40 Pin TFT LCD Display , -20 ~+70 TFT Display**



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### 2.4 Inch IPS TFT LCD Display 240x320 MCU 16 Bit TFT LCD Display

#### Product Specifications

Size (inch)	2.4
Resolution	240x320
Brightness (cd/m <sup>2</sup> )	350
Interface	MCU 8/16 BIT RGB 16/18BIT
Driver IC	ST7789V
Operation Temperature (°C)	-20~70
Pin Number	40

This MCU 8/16 BIT RGB 16/18BIT interface LCD display with ST7789V driver IC operates in a wide temperature range from -20°C to 70°C (-4°F to 158°F), making it suitable for various industrial and commercial applications.



#### Product Overview

This 2.4-inch IPS TFT display features a resolution of 240x320 with 16-bit color depth, designed to provide high-definition graphical interfaces for microcontroller systems.

#### Key Applications

**Embedded Control Systems:** Local panels for PLCs, sensor controllers, smart home devices, and medical equipment providing real-time data visualization and parameter settings.

**Portable Electronics:** Ideal for handheld measuring instruments, consumer electronics, and IoT terminals requiring compact size with quality display.

**Education & Prototyping:** Perfect for microcontroller experiments, maker projects, and DIY applications needing flexible visual interfaces.

#### Detailed Application Scenarios

##### Embedded Control Systems

Provides intuitive operation and status monitoring without computer connection:

- Industrial control panels for displaying real-time parameters
- Smart home device interfaces for mode and value display
- Medical devices for clear data and waveform presentation

##### Portable Electronic Devices

Balances display quality with power efficiency for mobile applications:

Handheld test equipment for graphical data representation

Consumer electronics for enhanced color display

IoT nodes for offline data visualization

### **Education & Maker Projects**

Cost-effective solution for learning and prototyping:

Microcontroller teaching demonstrations

DIY projects like weather stations and smart clocks

Robot control interfaces

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## **Frequently Asked Questions**

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### **Can you customize the LCD display size and specifications?**

Yes, we can customize based on your specifications or samples. Please provide detailed requirements or drawings for accurate recommendations.

### **Can you modify existing display designs?**

For segment type LCD modules, modifications require new tooling. We can create custom solutions based on your specific needs.

### **Can you change display types (e.g., from HTN to STN)?**

Yes, we can adjust display types and specifications according to your requirements.

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

Typically 15-25 days after drawing confirmation and payment. We'll provide exact timelines upon project confirmation.

### **Do you provide samples?**

Yes, sample orders are available for standard products.

### **What are your production lead times?**

Standard products ship within 1 day if in stock. Custom production typically takes 15-30 days, with possible earlier completion.



**Dongguan Bibuke Electronic Technology Co., Ltd.**



+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881