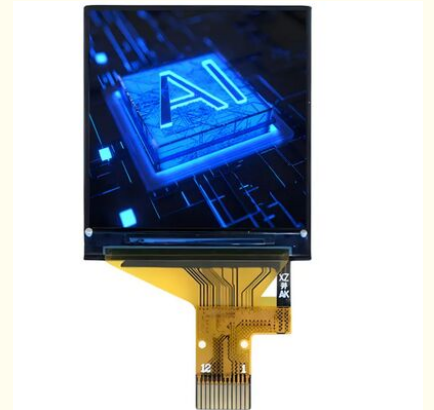


## 1.3 Inch 240x240 Resolution SPI Interface TFT LCD Display Module for Embedded Devices

### 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

- Storage Temperature: -30°C To 80°C
- Backlight Technology: LED
- Display Size: 1.3 Inches
- Aa Size: 23.4(H) X 23.4 (V) Mm
- Display Technology: TFT LCD
- Operating Temperature: -20°C To 70°C
- Interface: SPI
- Luminance: 250 Cd/m<sup>2</sup>
- Highlight: **240x240 Resolution TFT LCD Display,  
SPI Interface TFT Screen,  
1.3 Inch Size LCD Display Module**



### 1.3 Inch 240x240 Dot Matrix SPI Square TFT LCD Display

#### Technical Specifications

Parameter	Specification
LCD Size	1.3 inch (Diagonal)
Display Mode	Normally black
Resolution	240(H)RGB x 240(V)
Dot Pitch	0.0975 (H) x 0.0975(V) mm
Active Area	23.4(H) x 23.4(V) mm
Module Size	26.16(H) x 29.22(V) x 1.5Max(D) mm
Color Arrangement	RGB Vertical stripe
Interface	SPI
Drive IC	ST7789P3
Luminance	250 (TYP) cd/m <sup>2</sup>
Viewing Direction	All View
Backlight	2 White LED
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C

#### Product Overview

This compact color display module is designed for embedded systems and small electronic devices. Featuring a 1.3-inch diagonal size with 240x240 resolution square pixel layout, it utilizes IPS TFT technology for superior viewing angles and color stability.

#### Key Features

- 65K full-color display capability
- IPS technology provides consistent color from all viewing angles
- High brightness (250 cd/m<sup>2</sup> typical) for outdoor visibility
- Approximately 260 PPI pixel density for sharp text and icons
- SPI interface minimizes MCU pin requirements
- 3.3V power supply with low power consumption
- Compatible with Arduino, Raspberry Pi, and STM32 development boards
- Compact size ideal for space-constrained applications
- Wide operating temperature range (-20°C to +70°C)

#### Applications

- Maker and DIY projects: Electronic clocks, temperature monitors, mini game consoles
- Wearable devices: Smart bracelets, sports watches, pet tracking collars
- Industrial and medical: Sensor terminals, handheld detection equipment, medical monitors
- Smart home and IoT: Gateway panels, smart switches, environmental monitoring displays





## Frequently Asked Questions

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

Yes, we can accommodate custom specifications. Please provide your detailed requirements or drawings. If you don't have specifications, we can recommend suitable standard products or create custom solutions based on your needs.

### **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 requiring size modifications or display content changes, we can create new LCD glass modules. This requires opening new tooling specifically for your requirements.

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

Yes, we can modify the display type according to your specifications. We can produce STN type displays as requested.

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

Absolutely. We specialize in custom LCD modules. Please provide your drawings or specify requirements including outline size, display information, glass thickness, polarizer type, display type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

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

Tooling typically requires 15 to 25 days after drawing confirmation and tooling charge payment. We will provide exact timelines once your drawing specifications are confirmed.

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

Yes, sample orders are available for evaluation and testing purposes.

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

For standard products in stock, lead time is one day after payment. For mass production of custom orders, lead time is approximately 15-30

days. We will notify you promptly if we can complete your order ahead of schedule.



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