



2 inch 240x320 Resolution SPI Interface IPS TFT LCD Display Module

Our Product Introduction

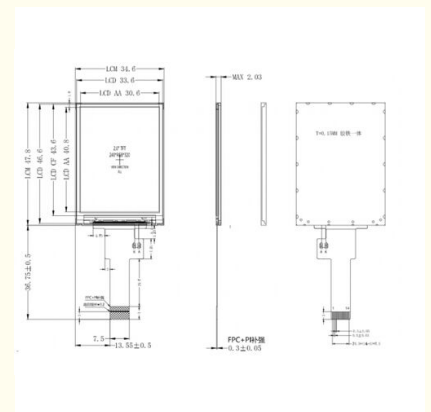
Basic Information

- 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

- Aa Size: 30.60(W) X 40.80(H)
- Backlight Type: LED
- Storage Temperature: -30°C To 80°C
- Pin Number: 14 PIN
- Interface Types: 4Wire SPI
- Dimensions: 34.60(W) X 47.80(H) X 2.03(T)
- Display Size: 2 Inches
- Touch Screen: Customizable
- Highlight: **2 inch TFT LCD Display , 240x320 Resolution IPS TFT Screen, SPI Interface LCD Module**



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More Images



Product Description

2 inch 240x320 Resolution ST7789 SPI IPS TFT LCD Display

A high-performance 2-inch IPS TFT liquid crystal display module featuring 240x320 resolution and ST7789 SPI driver for exceptional display quality and compatibility.

Technical Specifications

Parameter	Specification
Display Mode	Normally Black, Transmissive
Viewing Direction	ALL
Colors	262K
Drive IC	ST7789P3
Interface Type	4-Wire SPI
Dimensional Outline	34.60(W) x 47.80(H) x 2.03(T)
LCD Active Area	30.60(W) x 40.80(H)
Resolution	240 RGB(H) x 320(V)
Pixel Pitch	0.1275(W) x 0.1275(H)
Surface Brightness	400 nits

Key Features

Display Performance: IPS panel technology provides wide viewing angles and high color accuracy with no color deviation or whitening from side angles. The 240x320 resolution on a 2-inch screen delivers fine display quality with clear text and sharp images.

Driver Chip: Equipped with ST7789 driver chip that fully supports 240x320 resolution output with rich functionality and excellent compatibility.

Communication Interface: 4-wire SPI serial communication with minimal pin requirements, simple wiring, high communication rates, and stable data transmission. The 14-pin interface design enables easy connection to Arduino, ESP32, Raspberry Pi, and other mainstream controllers.

Working Parameters: Operating voltage range of 3.3V to 5V. Full screen illumination power consumption approximately 29mA. Operating temperature range: -30°C to +70°C.

Physical Dimensions: Compact module size approximately 60.00x35.70mm with display area of 40.8x30.6mm. Some modules include built-in MicroSD card slot for expanded image display capabilities.

Applications

Smart Wearable Devices: Smart watches, health bands for displaying time, heart rate, steps, and other metrics

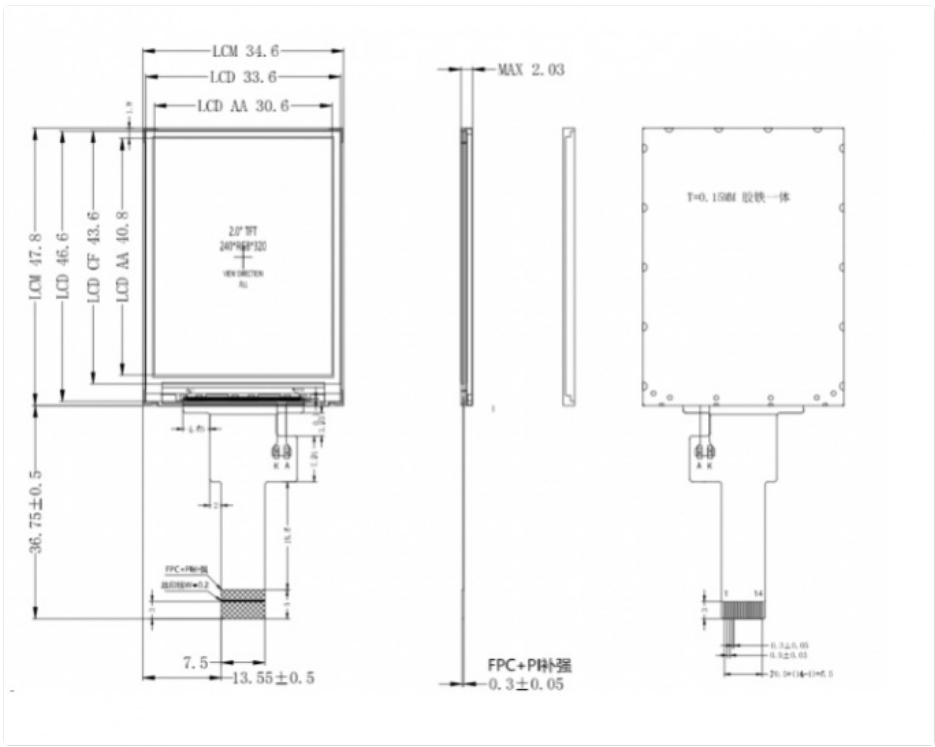
Portable Devices: Electronic photo frames, handheld data collection devices, game consoles

Smart Home: Control panels for displaying device status information and control interfaces

Industrial Control: Miniature instrument panels, PLC control panels with electromagnetic interference resistance

Other Applications: Waveform displays, electronic memorial boxes, desktop weather ornaments

Product Images





Frequently Asked Questions

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

Yes, we can accommodate custom requirements. Please provide your specifications or drawing. If you don't have specifications, you can send samples and we'll recommend suitable options or customize based on your requirements.

This LCD is what we want, but it's too big. Do you have smaller sizes? We also need minor display content changes.

For segment type LCD modules requiring size modifications or display content changes, we need to create new LCD glass modules with custom tooling.

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

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

Can you customize a new LCD module?

Yes, we provide custom LCD module services. Please provide your drawing or specifications 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?

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

Can you send samples for evaluation?

Yes, sample orders are available for quality verification.

What is the lead time for production?

For standard products in stock: 1 day after payment. For mass production of custom items: approximately 15-30 days. We'll notify you if we can complete earlier.

Product Demonstration



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