

2.4 Inch 240x320 Pixels TFT LCD Display with 300 Cd/m2 Brightness and MPU 16 Interface

Our Product Introduction

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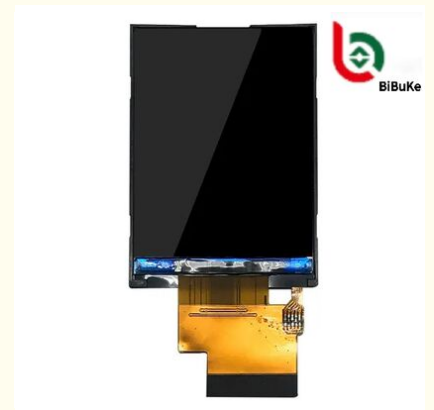
Basic Information

- 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

- Fpc Connect: 40 Pins
- Interface: MPU 16
- Display Type: TFT LCD
- Surface Luminance: 300 Cd/m2(nits)
- Size: 2.4 Inch
- Backlight Type: LED
- Resolution: 240x320
- Viewing Direction: 12:00
- Highlight: **2.4 Inch TFT LCD Display ,
240x320 Pixels TFT Screen,
300 Cd/m2 LCD Module**



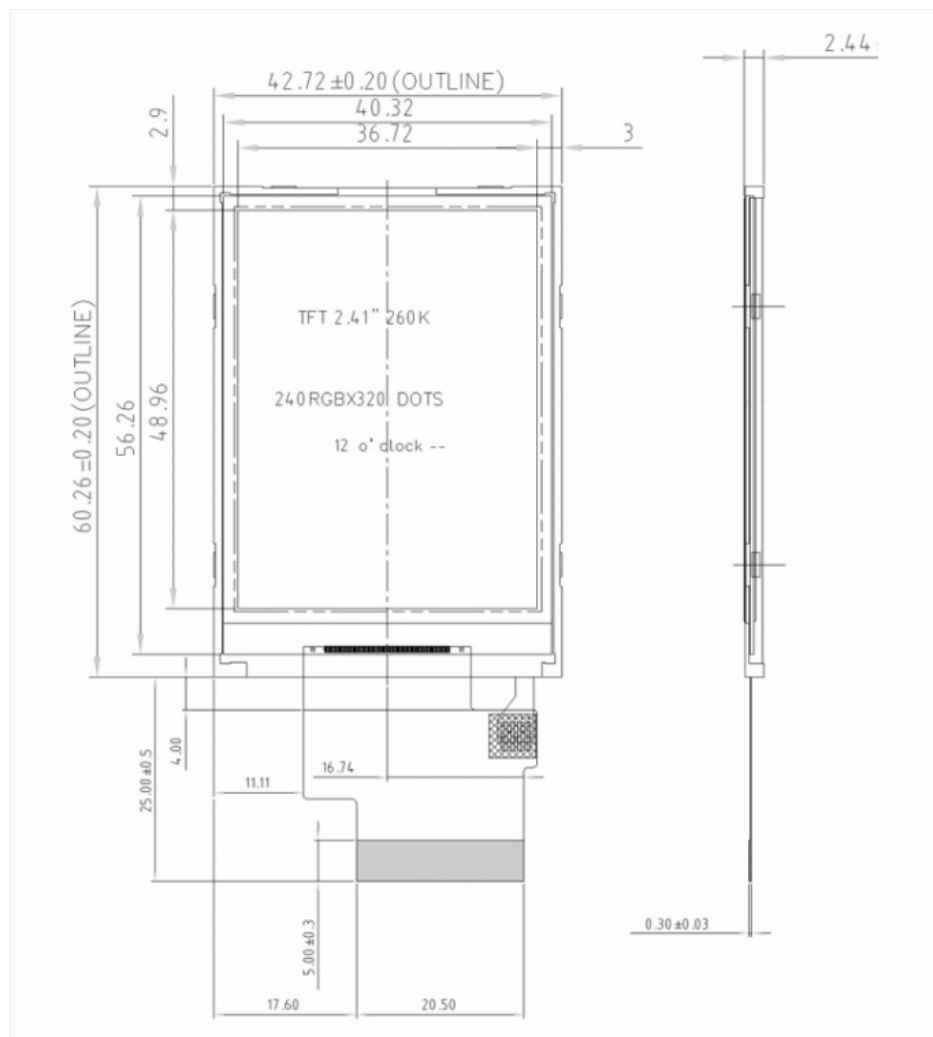
Product Description

2.4 Inch 240x320 Pixels TFT LCD Display Without Touch Screen (Optional)

2.4" TN type TFT LCD Display with QVGA 240x320 pixel resolution. This module offers exceptional cost-effectiveness compared to similar products in its category.

Product:	2.4 Inch TFT Screen
Resolution:	240x320
Touch Screen:	Without Touch Screen (Optional)
Cover Glass Dimension:	To Be Customized
Viewing Direction:	12:00
Driver IC:	ST7789V Compatible With ILI9341V
Interface:	MPU 16
Connection:	Plugging (customizable)
Pin Number:	40 Pins
Surface Luminance:	300 Cd/m ² (nits)

Technical Drawings





Technical Specifications

Display Parameters

Size: 2.4-inch diagonal (approximately 6.1 cm) - ideal for portable devices

Resolution: 240x320 pixels - provides clear text and graphics display

Display Technology: TFT (Thin Film Transistor) with independent pixel switching for fast response, high contrast, and realistic color reproduction

Interface Types: Compatible with RGB, SPI, and 8080 parallel port interfaces - easily connects to STM32, ESP32, Arduino, and other mainstream MCUs

Brightness & Viewing Angle: 200-1700 cd/m² brightness range with IPS full-angle viewing (178° from all directions)

Operating Temperature: -20 to 70 - ensures reliable performance across wide environmental conditions

Product Features

Compact & Lightweight: Ultra-thin design ($\leq 3\text{mm}$ thickness) for easy integration into space-constrained devices

Low Power Consumption: LED backlight technology uses approximately 1/5 the power of traditional displays

High Stability: Industrial-grade construction with anti-vibration, anti-interference, and anti-static properties

Application Areas

Consumer Electronics: Learning machines, electronic photo albums, game consoles, handheld audio/video players

Medical Electronics: Blood pressure monitors, blood glucose meters, heart rate monitors, portable ultrasound devices

Industrial Control: Data acquisition terminals, portable detectors, PLC controllers

Smart Home: Smart door locks, temperature control panels, lighting controllers

Communication & Security: Walkie-talkies, wireless control terminals, access control devices, monitoring displays

Instrumentation & Metering: Power detection instruments, gas analyzers, flow meters, handheld testers

Frequently Asked Questions

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

No problem. Please send us your specifications or drawing. If you don't have specifications, provide samples and we'll recommend suitable options or customize based on your requirements.

2. 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 tooling to produce customized glass modules.

3. This LCD display is HTN type, but I want STN type, can you make?

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

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

Yes, we offer full customization services. Please provide your drawing or specify outline size, display information (glass thickness, polarizer, display type, connector mode, storage/operating temperature, supply voltage, viewing direction, drive conditions).

5. What is the lead time for tooling?

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

6. Can you send us samples for checking?

Yes, sample orders are available for quality verification.

7. What is the lead time?

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



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