

4 Inch TFT LCD Display with Capacitive Touch Screen and IPS All Viewing Angles

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

- Surface Luminance: 400 Cd/m²(nits)
- Product Type: TFT LCD Screen
- Viewing Angle: IPS All Viewing Angles
- Touchscreen: Customized
- Size: 4inch
- Backlight Technology: LED
- Interface: SPI + RGB 24 Bits
- Lcd Type: TFT
- Highlight: **4 Inch TFT LCD Display ,
Capacitive Touch Screen TFT LCD Screen ,
IPS All Viewing Angles LCD Display Module**



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Product Description

4 Inch TFT LCD Display with Capacitive Touch Screen

This 4-inch SPI RGB IPS TFT LCD display with capacitive touch screen integrates advanced technologies for exceptional display performance, data transmission, and interactive experience across various applications.

Technical Specifications

Product	4" TFT LCD Display
Resolution	480x800
Driver IC	NT35510
Connection	Plugging
Interface	SPI + RGB 24 Bits
Power Supply Voltage For Logic	0.3~4.6V
Touch Screen	Capacitive Touch Screen
Viewing Direction	IPS All Viewing Angles
Pin Number	51 Pins
Surface Luminance	400 Cd/m ² (nits)
LED Lifetime	40,000 Hours
Input Voltage	VDD+0.3V
Operating Temperature	-20°C to 70°C
Storage Temperature	-30°C to 80°C
Backlight Supply Current	20 mA
Backlight Color	White
Backlight Supply Voltage	25.6V
Backlight Power Dissipation	512 mW
Certificate	ISO9001:2015 / ISO14001:2015
Compliance	RoHS & REACH Compliant

Product Features

Excellent Display Quality: IPS panel with 170° viewing angle, 480x800 resolution, and 330-400cd/m² brightness for clear visibility in any lighting

Dual Interface Support: SPI for stable microcontroller connection and RGB for high-speed data transmission

Advanced Touch Technology: 5-point capacitive touch with responsive performance and minimal delay

Durable Construction: Tempered glass panel with 6H hardness and optional optical bonding for reduced reflection

Compact Design: Slim profile (2.5-4.5mm thickness) for easy integration into small devices

Wide Compatibility: Supports display orientation switching and compatible with Arduino, STM32, Raspberry Pi, and other platforms

Applications

Handheld Instruments: Multimeters, oscilloscopes, environmental detectors requiring portable, clear displays with touch control

Industrial Control: Control terminals, PLC operation panels in workshop environments with wide temperature tolerance

Maker & DIY Projects: Raspberry Pi and Arduino compatible for smart home controls, game consoles, and interactive devices

Small Smart Devices: Smart lock interfaces, household appliance controls, and vehicle auxiliary 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 samples, and we'll recommend suitable options or create a custom solution.

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 or display content modifications, we can create new tooling for custom glass modules.

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.

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

Absolutely. Please provide your technical drawings or specifications including outline size, display information, operating parameters, and connector requirements.

What is leading time for tooling?

Tooling typically requires 15-25 days after drawing confirmation and payment. We'll provide exact timelines upon project approval.

Can you send us samples for checking?

Yes, sample orders are available for quality verification.

What is the Leading Time?

Standard products ship within 1 day if in stock. Custom mass production requires 15-30 days, with expedited options when available.



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