

7 Inch 1024x600 IPS Full Viewing Angle TFT LCD Display with RGB Interface and Capacitive Touch

Our Product Introduction

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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

- Product Type: TFT LCD Screen
- Pin Number: 50 PIN
- Size: 7 Inch
- Operating Temperature: -20 To +70
- Viewing Angle: All
- CTP Interface: I2C
- Surface Luminance: 200 Cd/m2
- Screentype: LCD TFT
- Highlight: 7 Inch TFT LCD Display ,
1024x600 IPS LCD TFT Screen ,
Full Viewing Angle TFT LCD Module



Product Description

7 Inch 1024x600 IPS Full Viewing Angle TFT LCD Display

High-performance 7-inch TFT LCD touch screen module with IPS technology for wide viewing angles and excellent color reproduction.

Technical Specifications

Parameter	Specification
Screen Size	7 Inch
Resolution	1024x600 (WSVGA)
Display Technology	IPS TFT LCD
Viewing Angle	178° All Directions
Touch Screen	Capacitive Touch Screen (CTP)
LCM Interface	RGB
Surface Luminance	200 Cd/m ²
LED Lifetime	40,000 Hours
Pins	50 Pins
Viewing Direction	All
CTP Interface	I2C
Operating Temperature	-20°C to +70°C
Compliance	REACH & RoHS Compliant

Product Overview

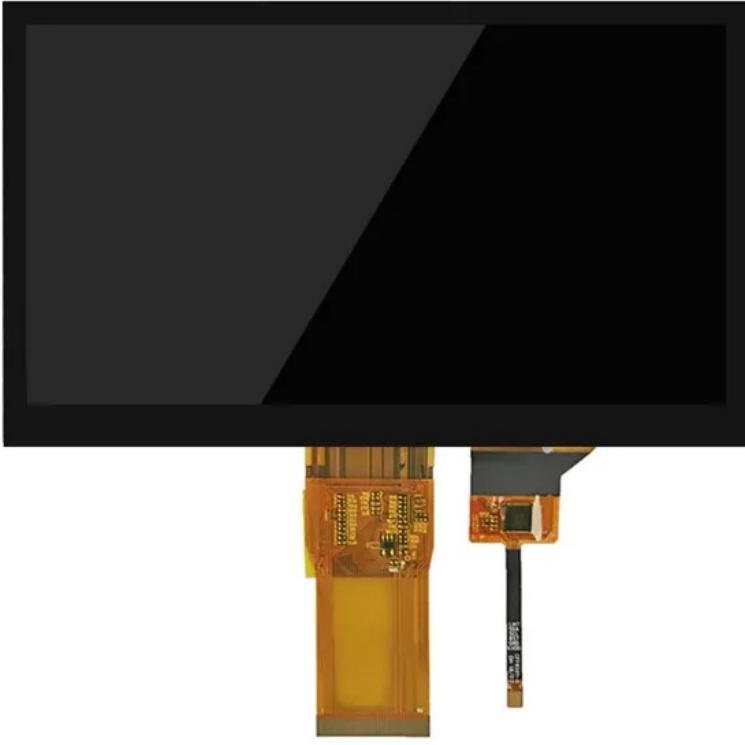
This embedded display module integrates display and touch functions, providing a comprehensive human-computer interaction solution for industrial, automotive, and smart terminal applications.

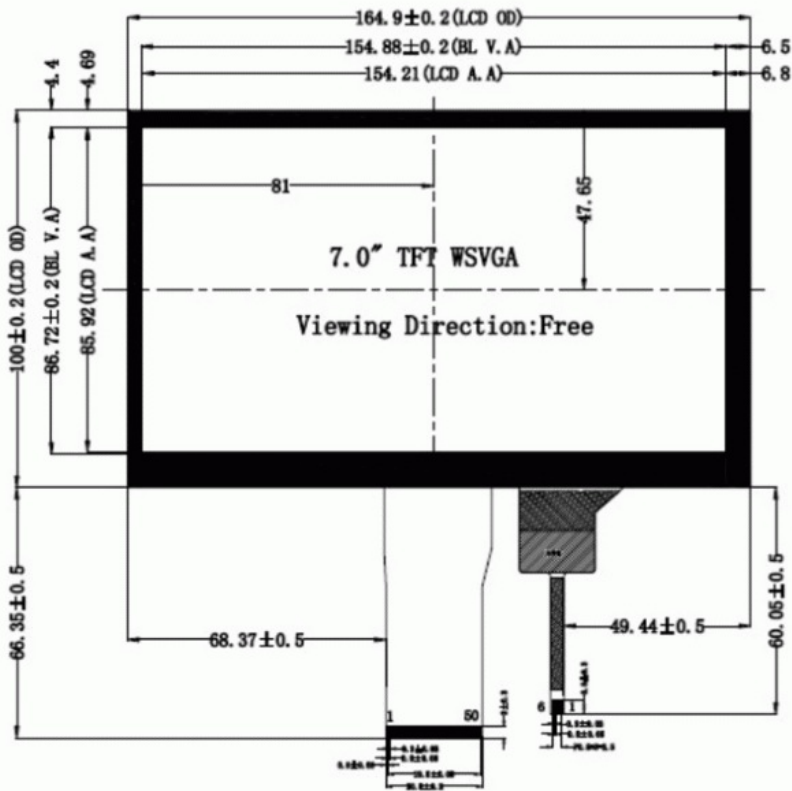
Key Features

- 7-inch IPS panel with 1024x600 resolution and 16:9 aspect ratio
- Full 178° viewing angle with no color deviation or brightness attenuation
- TFT technology supporting 16.7 million colors (24bit RGB888)
- LED backlight with brightness typically 350-500 cd/m² (up to 700 cd/m² for industrial models)
- G+G structure capacitive touch screen supporting 5-point touch
- Touch IC compatibility with GT911, FT5426, etc.
- I2C interface for fast touch response and precise operation
- 24bit RGB parallel interface (TTL level) for high-speed display
- Compatible with mainstream controllers including STM32, RK, and Allwinner
- Compact size with effective display area of approximately 154.21x85.92 mm
- Industrial-grade operating temperature range: -20°C to +70°C
- 5V input power supply with 3.3V IO level for low-power embedded scenarios

Applications

- Industrial Control: PLC human-machine interface (HMI), intelligent instruments, control panels for automated production lines, industrial robot operation screens
- Vehicle and Transportation: Vehicle navigation, central control displays for trucks and construction machinery, charging station operation screens
- Medical Equipment: Portable monitors, display screens for diagnostic devices
- Smart Home and Commercial: Building control panels, access control systems, self-service terminals, POS machines, smart home central control
- Embedded Development: Raspberry Pi, STM32 development boards for DIY tablets, handheld devices, and small game consoles





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 specifications. Please provide your detailed specification 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? Can the display content be modified?

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

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

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

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

Yes, we specialize in custom LCD modules. Please provide your drawing or specify the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, 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 once your drawing is confirmed.

Can you send samples for evaluation?

Yes, sample orders are available for quality checking and testing.

What is the lead time for production?

For standard products in stock, lead time is one day after payment. For mass production of special orders, lead time is approximately 15-30 days. We'll notify you immediately if we can complete production earlier.



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