

7 Inch 800x480 Resolution RGB 24 Bit Interface TFT LCD Display with Resistive Touch Screen

Basic Information



Product Specification

- Touch Technology: RTP
- Luminance: 300 Cd/m2(nits)
- Outline Dimensions: 164.9x100x6.8 Mm
- Dot Matrix: 800 X RGB X 480
- Screen Type: TFT
- Connection: Plugging
- Touch: RTP
- Display Technology: LCD
- Highlight: **7 Inch TFT LCD Display ,
800x480 Resolution TFT Touch Screen ,
RGB 24 Bit Interface LCD Display Module**



Product Description

7 Inch 800x480 Dots RGB 24 Bit Interface With RTP TFT LCD Display

Technical Specifications

Product	7 Inch TFT Touch LCD	Resolution	800x480 Pixels
Interface	RGB 24 Bits	Outline Dimension	164.9x100x6.8 mm
Touch Screen	With Resistive Touch Screen	Cover Glass Dimension	Customizable
Viewing Direction	6 O'clock	Pin Number	50 Pins
Connection	Plugging	Surface Luminance	300 Cd/m ² (nits)

Product Overview

7-inch TFT LCD with 800x480 dot display, RGB 24-bit interface and resistive touch panel is a liquid crystal display module that combines display and interaction functions.

Key Features

Size and Resolution: 7-inch diagonal screen with 800x480 WVGA resolution for clear text, icons, and graphical interfaces

Display Technology: TFT (thin film transistor) material with accurate color reproduction and wide viewing angles (140°-160° horizontal/vertical, up to 178° with IPS technology)

Color Performance: Displays 16.7M colors with contrast ratio of 500-800:1

Interface Compatibility: 24-bit RGB interface compatible with various control platforms including STM32 and Raspberry Pi

Touch Panel: Resistive touch supporting finger, glove, and pen tip operations with sensitive response and durability

Operating Environment: Commercial-grade (0-50°C) or industrial-grade (-20-70°C) options available with customizable waterproof, dustproof, and shockproof designs

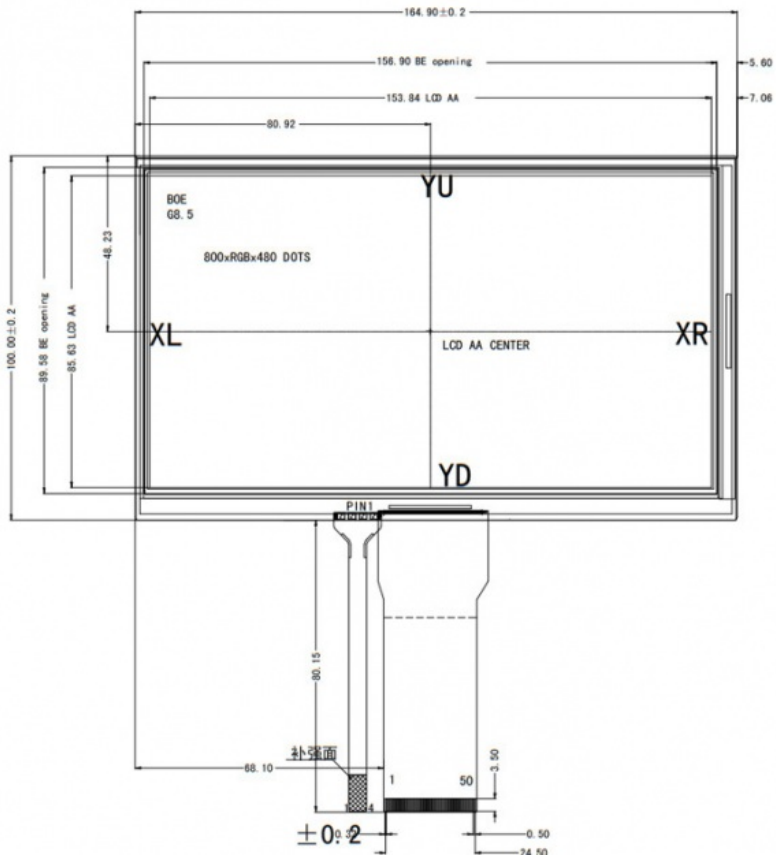
Applications

Industrial Control Equipment: PLC consoles, intelligent instruments, and automation production line interfaces with industrial-grade stability and anti-interference capability

Intelligent Terminal Equipment: Self-service machines, cashier systems, access control systems with convenient resistive touch operation

Embedded Development Projects: Smart home control panels, robot interaction interfaces with rich interfaces and mature driver support

Education and Research: Student experiments, maker projects, and robot teaching for interface design and interaction operations





Frequently Asked Questions

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

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

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 need to create new tooling for a custom LCD glass module.

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

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

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

Yes, we can customize LCD modules. Please send your drawing or provide outline size, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition).

What is leading time for tooling?

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

Can you send us samples for checking?

Yes, sample orders are available.

What is the Leading Time?

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



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