

10.1 Inch 1024x600 Dots RGB Interface TFT LCD Display with LED Backlight and All Viewing Angles

Our Product Introduction

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Basic Information

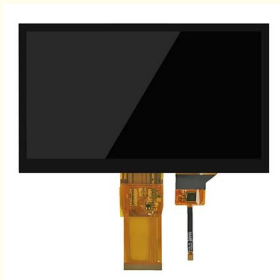


Product Specification

- Overall Dimensions: 235 × 143 × 6.53 Mm
- Interface: RGB
- Backlight: LED
- Connect: Plugging
- Product Type: TFT LCD Screen
- Viewing Angle: All Viewing Angles (85/85/85/85)
- Storage Temperature: -30°C To 80°C
- Brightness: 500 Cd/m²
- Highlight: **10.1 Inch TFT LCD Display ,
1024x600 Dots TFT LCD Screen ,
RGB Interface LCD Display Module**



More Images



Product Description

10.1 Inch 1024x600 Dots RGB Interface With LED Backlight TFT LCD Display

High-performance 10.1-inch TFT LCD display with RGB interface and LED backlight technology, designed for industrial and commercial applications.

Basic Parameters

Product	10.1" Inch TFT LCD	Resolution	1024x600 Dots
Touch Screen	With CTP	Cover Glass Dimension	Customizable
Outline Dimension	235 × 143 × 6.53 mm	Viewing Direction	All Viewing Angles (85/85/85/85)
Interface	RGB	Pin Number	50 Pins
Connection	Plugging	Surface Luminance	500 Cd/m ² (nits)

This detailed introduction covers the 10.1-inch PCAP TFT 1024×600 RGB interface, LED backlit display, including core functions and technical specifications.

Product Details

Core Specifications and Panel

- Size: 10.1 inches with 1024×600 (WSVGA wide screen) resolution
- Technology: Thin-film transistor (TFT) liquid crystal panel with IPS technology
- Viewing Angle: 178° full viewing angle with true color reproduction
- Interface: RGB parallel interface (TTL RGB) for direct connection with embedded controllers and MCUs
- Backlight: LED with brightness of 300-500 cd/m², low power consumption, and long lifespan

PCAP Touch Technology

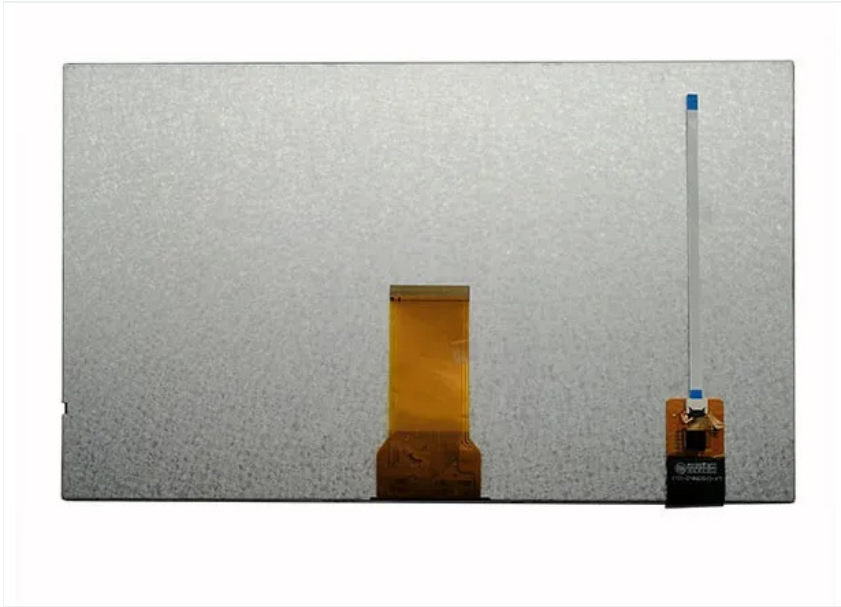
- Projected capacitive touch screen (PCAP) supporting 5-point/10-point multi-touch
- Light touch response without pressing required
- Supports pinch zoom, sliding, rotation, and other gestures
- Tempered glass surface (6H hardness) with scratch-resistant and dust-proof properties
- Some models reach IP65 protection level for high-frequency touch scenarios

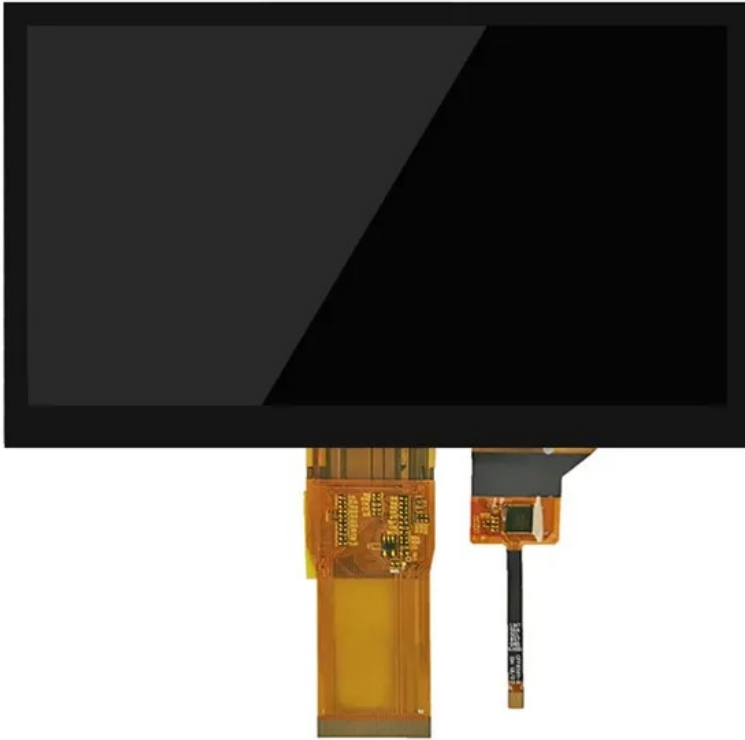
Typical Features

- Operating temperature: -20°C to 70°C for industrial/outdoor environments
- Stable driver IC with strong anti-interference capability
- Thin and lightweight structure for easy embedded and bracket installation

Main Applications

- Industrial Control: PLC/HMI human-machine interfaces, machine tool control panels, warehouse logistics terminals
- Medical Equipment: Monitors, portable ultrasound devices, blood analyzers
- Vehicle and Transportation: Vehicle central control units, bus/taxi announcement screens, charging station operation panels
- Retail and Self-service Terminals: POS cash registers, self-service ordering machines, ticket collection machines
- Embedded / IoT Devices: Smart gateways, smart home control panels, industrial tablets
- Education / Portable Devices: Children's learning tablets, industrial training terminals





Frequently Asked Questions

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

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we will 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, modifying outline size or display content requires a new LCD glass module. We will open new tooling for you.

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

That's all right. We can change for you as per your request.

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

Yes, we can. Please send your drawing paper. If you don't have one, please advise the outline size of the LCD display, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition). We can customize for you.

What is leading time for tooling?

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will report the exact time when you confirm the drawing paper.

Can you send us samples for checking?

Yes. Samples order is available.

What is the Leading Time?

If we have stock for standard products, the leading time is one day after payment. For mass production of special products, the leading time is about 15-30 days. If we can finish earlier, we will report the information in advance.



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