



4 Inch 480x800 Resolution IPS Full Viewing Angle TFT LCD Touch Screen with RTP Touch Function

Our Product Introduction

Basic Information



Product Specification

- Backlight Type: LED
- Fpc Connect: 51 Pins
- Interface: RGB
- Size: 4 Inch
- Touchscreen: RTP
- Display Type: TFT LCD
- Viewing Direction: All Viewing Angle, IPS
- Luminance: 300 Cd/m²
- Highlight: **480x800 Resolution TFT LCD Touch Screen, IPS Full Viewing Angle TFT LCD Display, RTP Touch Function LCD Module**



for more products please visit us on lcdtftscreen.com

Product Description

480x800 4 Inch RTP Touch TFT LCD Module Display

The 4-inch 480x800 IPS TFT LCD module with RGB interface and RTP touch function combines high-definition display quality with responsive touch experience. This compact display solution is ideal for consumer electronics, industrial control systems, and smart terminal applications.

Technical Specifications

Product	4" TFT LCD Touch Screen	Touch Screen	Resistive Touch Panel (RTP)
Resolution	480x800	Viewing Direction	IPS Full Viewing Angle
Driver IC	ILI9806E	Pin Number	51 Pins
Connection	Plugging	Surface Luminance	300 Cd/m ² (nits)
Interface	RGB	LED Lifetime	40,000 Hours

Product Features

High Resolution Display: 480x800 pixel resolution delivers detailed, clear images and text with excellent screen density

IPS Technology: Full viewing angle capability maintains consistent brightness, color, and contrast from any viewing position

RGB Interface: Direct connection to main control chip RGB output supports high-speed data transmission and smooth video playback

RTP Touch: Resistive touch panel provides reliable single-point precision touch, even with gloves or minor surface contamination

Compact Design: Thin, lightweight construction enables easy integration into portable devices

Wide Temperature Range: Operational from -20°C to +70°C for indoor and outdoor applications

Power Efficient: Compatible with 3.3V/5V systems with optimized power consumption

Primary Applications

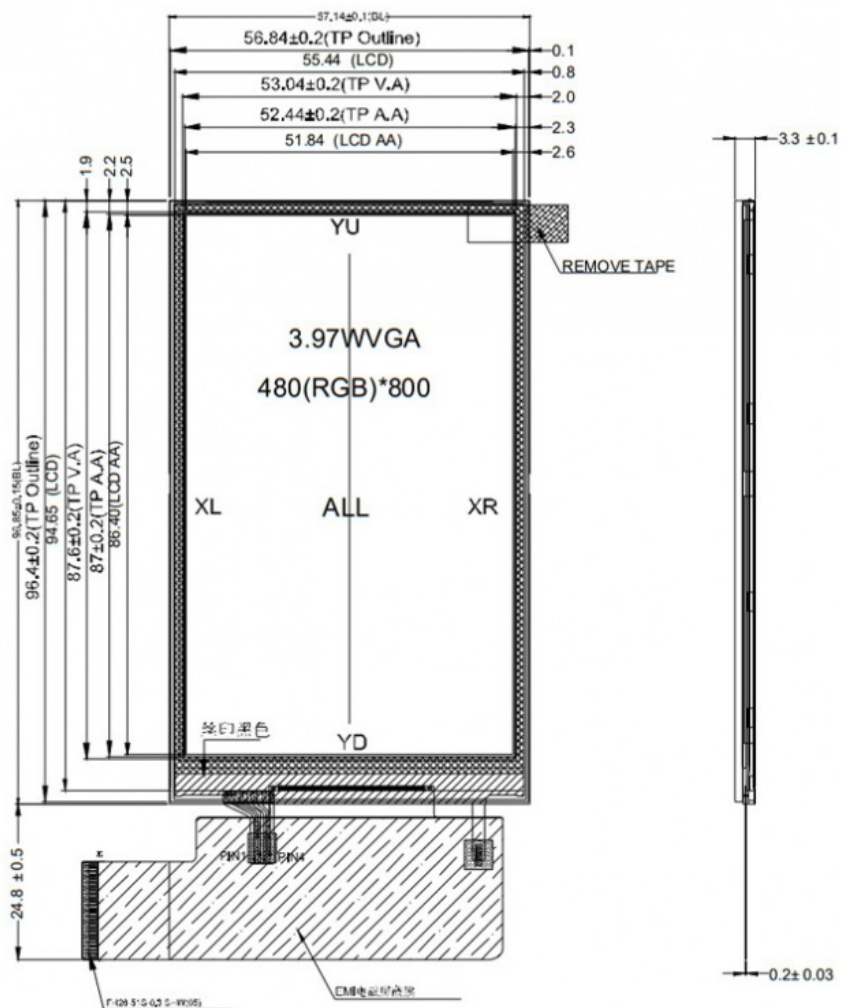
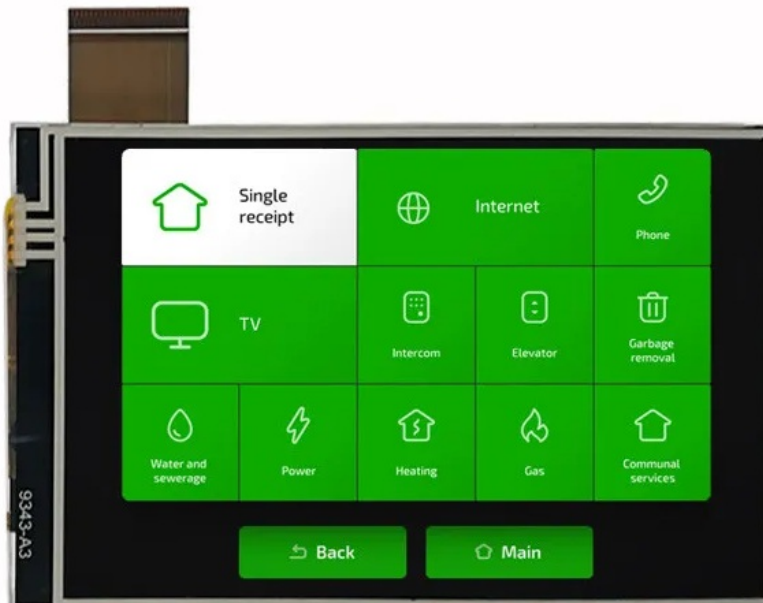
Industrial Control & IoT Devices: Ideal for industrial control panels, handheld detection instruments, and IoT terminals. Clearly displays operational parameters and data while enabling direct touch control for parameter settings and command execution.

Consumer Electronics & Smart Wearables: Suitable for portable navigation devices, handheld game consoles, and smart speakers. The 4-inch size balances portability with viewing area, while IPS technology ensures clear visibility from any angle.

Medical Health Equipment: Used in portable blood pressure monitors, glucose meters, and ECG monitors. High resolution displays precise measurements and waveforms, with accurate viewing from any angle for medical professionals.

Vehicle & Travel Equipment: Applications include rear-seat entertainment displays, tire pressure monitoring terminals, and electric vehicle dashboards. Wide temperature operation adapts to vehicle environments while touch functionality simplifies operation.





Frequently Asked Questions

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, you can provide samples - we'll recommend suitable standard products or customize based on your requirements.

This LCD is what we want, but it's too big. Do you have smaller sizes? The display content needs minor changes.

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

requires new tooling.

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

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

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

Yes, we provide custom LCD modules. Please send your drawing or provide outline size, display information (glass thickness, polarizer, display type, connector mode, temperature ranges, supply voltage, viewing direction, drive conditions).

What is the lead time for tooling?

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

Can you send samples for evaluation?

Yes, sample orders are available.

What is the lead time for production?

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



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdtftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881