

5 Inch TFT LCD Screen with 720x1280 Pixels and MIPI Interface for High-Resolution Display

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Colors: 262K
- Operating Temperature: -20~70
- Backlight Technology: LED
- Size: 5 Inches
- Active Area: 62.10(H)x110.40(V)
- Outline Size: 78.56x135.65x2.95
- Surface Luminance: 350 Cd/m2(nits)
- Backlight Type: LED
- Highlight: 5 Inch TFT LCD Screen ,
720x1280 Pixels LCD Display Module,
MIPI Interface TFT Display



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Product Description

Multi Touch PCAP TFT 5 Inch Display MIPI Interface 720×1280 Pixels

High-performance 5-inch TFT LCD display with capacitive touch technology, designed for industrial and consumer applications requiring reliable visual interfaces.

Key Features

Product: 5 Inch IPS TFT With CTP
 Resolution: 720×1280 Dots
 Interface: MIPI
 Touch Screen: PCAP
 Viewing Direction: IPS All Viewing Angles
 PCAP Structure: GFF
 LCD Controller: ST7703
 CTP Controller: GT911
 Cover Glass Dimension: Customizable
 Pin Number: 30 Pins
 Connection: ZIF FPC
 Surface Luminance: 350 Cd/m² (nits)

Technical Specifications

Item	Specification	Unit
Screen Size	5.0	inch
Number of Pixel	720RGB(H)×1280(V)	Pixels
Display area	62.10(H)×110.40(V)	mm
Pixel pitch	0.0945(H)×0.0945(V)	mm
Outline Dimension	78.56×135.65×2.95	mm
Pixel arrangement	RGB Vertical Stripe	—
Display mode	Normally Black	—
Viewing Direction	ALL	—
Display Color	262K	—
Luminance	350	nit
Contrast Ratio	800:1	—
Interface	MIPI	
Back-light	LED Side-light type	—
LCM IC	ST7703	
CTP IC	GT911	
Operation Temperature	-20~70	°C
Storage Temperature	-30~80	°C

Technical Overview

This multi-touch PCAP TFT 5-inch display with MIPI interface and 720×1280 pixel resolution represents a common LCD display module solution. The display utilizes TFT (thin film transistor) liquid crystal display technology combined with IPS panel technology, providing nearly 180-degree full-angle viewing capability.

Performance Characteristics

- High-resolution 720×1280 pixel display ensures exceptional image clarity and detail reproduction
- 350cd/m² brightness rating with LED backlight rated for 40,000 hours of operation
- Capacitive touch screen utilizes GT911 control chip with multi-touch support
- High touch accuracy and rapid response speed for smooth user interaction
- MIPI interface with 30-pin ZIF FPC connection

Compliant with REACH and RoHS environmental standards

Product Advantages

Compact 5-inch screen size ideal for portable and handheld devices

MIPI interface provides high-speed data transmission for stable image display and rapid updates

720×1280 resolution delivers detailed imagery and crisp text display on compact screens

PCAP (projected capacitive) touch technology supports multi-touch gestures including zooming and sliding

Smooth interaction experience with responsive touch performance

Application Areas

Consumer Electronics: Smartphones, tablets, and portable devices requiring superior visual and interaction experiences

Automotive Systems: Navigation displays with all-angle visibility for clear map information and interface operation

Industrial Control: Control panels and interfaces enabling precise operation and parameter configuration





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 and we'll recommend suitable options 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 modifications or display content changes, we need to create a new LCD glass module with custom tooling.

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

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

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

Yes, we provide custom LCD module manufacturing. Please send your drawing or provide specifications including outline size, display information, glass thickness, polarizer type, connector mode, temperature ranges, voltage requirements, viewing direction, and drive conditions.

What is the lead time for tooling?

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

Can you send us samples for checking?

Yes, sample orders are available for quality verification.

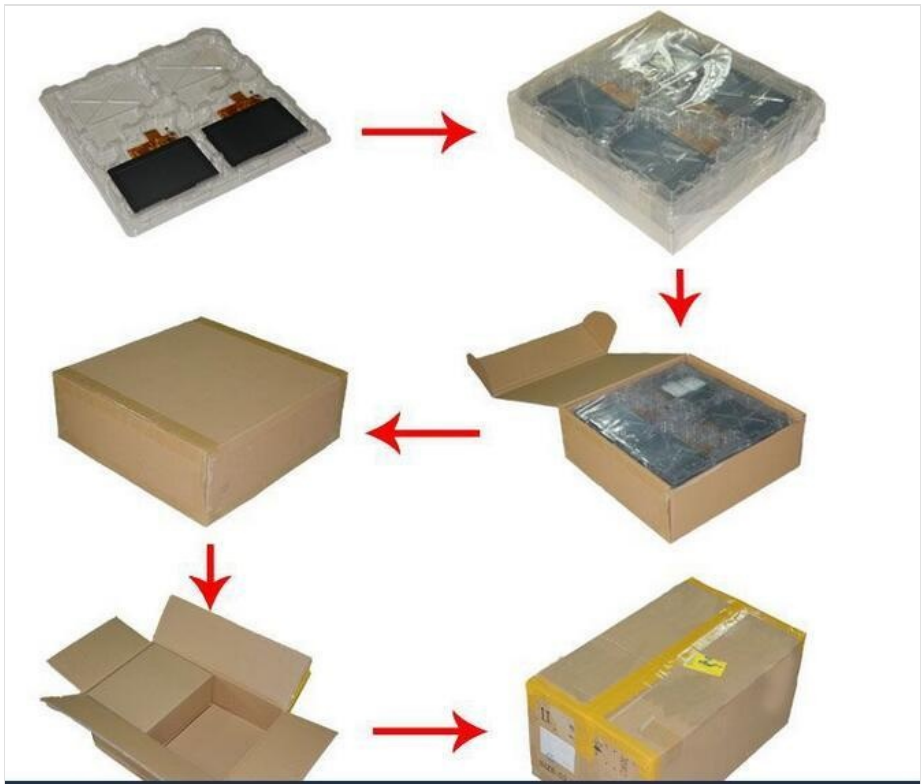
What is the lead time?

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

Packaging & Shipping

Packaging Options

We provide various packaging solutions including carton boxes, cupboard packaging, EPE foam, and blister trays. Packaging methods are determined by product size and specific customer requirements, with consideration for international shipping regulations.



Shipping Methods

We offer multiple shipping options including express carriers (DHL, FedEx, EMS, UPS), air freight, and sea shipping. You can select your preferred shipping method.

						
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
Notice	<ol style="list-style-type: none"> EMS for Brazil, Russia and Remote areas . SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia . Having logo product can' t be sent by FEDEX . The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us ! 					

Payment Methods



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