

9 Inch TFT LCD Screen with 800*480 Resolution and Resistive Touch Screen for Industrial Applications

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

- Active Area: 198.000(W) × 111.696(H) Mm
- Operating Temperature: -20 To +70
- Pin Number: 50PIN
- Outline Size: 211.1(W)×126.5(H)×5.9(D) Mm
- Resolution: 800*480 Pixels
- Connection: ZIF
- Backlight Technology: LED
- Backlight Type: LED
- Highlight: 9 Inch TFT LCD Screen ,
800*480 Resolution LCD Display Module,
Resistive Touch Screen TFT Display



More Images



Product Description

RGB Interface 9 Inch TFT LCD 800×480 Dots With Resistive Touch Screen

High-performance 9-inch TFT LCD display with resistive touch screen, designed for industrial and commercial applications requiring reliable visual interface solutions.

Key Specifications

Product	9 Inch RGB TFT	Resolution	800 RGB × 480
Touch Screen	RTP (Resistive)	Interface	RGB
Surface Luminance	400 Cd/m ² (nits)	Viewing Direction	6H
Pin Number	50 pins	Outline Dimensions	211.1(W)×126.5(H)×7.3(D) mm
Active Area	201.8(H) × 114.5(V) mm	Surface Treatment	Hard Coating (3H)
Display Colors	16.7 Million	Connection	ZIF
Operating Temperature	-20 to +70	Storage Temperature	-30 to +80

Technical Parameters

Item	Specification
LCD Size	9.0 inch (Diagonal)
Driver Element	a-Si TFT Active Matrix
Resolution	800 × 3(RGB) × 480
Display Mode	Normally White, Transmissive
Dot Pitch	0.0825(W) × 0.2327(H) mm
Active Area	198.000(W) × 111.696(H) mm
Module Size	211.1(W)×126.5(H)×5.9(D) mm
Module Size (with RTP)	211.1(W)×126.5(H)×7.3(D) mm
Surface Treatment	Anti-Glare
Color Arrangement	RGB-stripe
Interface	RGB
View Direction (Gray Inversion)	6 O'Clock
Backlight Power Consumption	2.046W (Typ.)
Panel Power Consumption	0.360W (Typ.)
Weight	TBD

Product Overview

This 9-inch TFT LCD display with resistive touch screen offers an optimal balance of display clarity and processing efficiency, making it ideal for various industrial and commercial applications.

Size and Resolution: 9-inch diagonal with 800×480 pixel resolution for clear text and graphics display

Display Technology: TFT LCD technology supporting 16.7 million colors

Interface Type: 24-bit RGB interface compatible with ARM, FPGA, and embedded systems

Touch Screen: Resistive technology for reliable operation with finger or stylus input

Brightness and Viewing: 450cd/m² brightness with wide viewing angles for various lighting conditions

Compact Design: Approximately 210.6mm×126.5mm×5.3mm for easy integration

Applications

Industrial Control & Automation: HMI for PLC systems, robotics, testing equipment, and factory dashboards

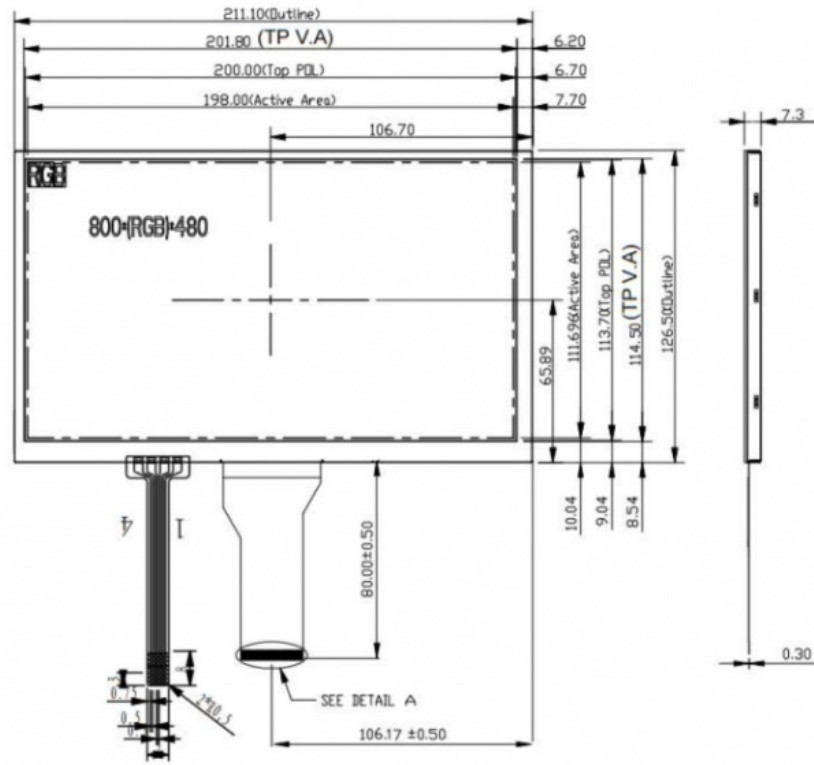
Smart Home Systems: Central control hubs, security monitoring, and environmental control terminals

Medical Equipment: Patient monitoring, diagnostic equipment displays, and portable medical devices

Vehicle & Transportation: Navigation systems, intelligent rearview mirrors, and logistics management

Commercial Retail: POS systems, self-service terminals, ATMs, and digital signage





Pin Configuration

No.	Symbol	I / O	Function
1	VLED	-	Power for LED backlight
2	VLED	-	Power for LED backlight
3	GLED	-	Ground for LED backlight
4	GLED	-	Ground for LED backlight
5	GND	P	Power ground
6	VCOM	I	Common voltage
7	DVDD	P	Power for Digital Circuit
8	MODE	I	DE/SYNC mode select
9	DE	I	Data Input Enable
10	VS	I	Vertical Sync Input
11	HS	I	Horizontal Sync Input
12-19	B7 - B0	I	Blue data (MSB)
20-27	G7 - G0	I	Green data (MSB)
28-35	R7 - R0	I	Red data (MSB)
36	GND	P	Power Ground
37	DCLK	I	Sample clock
38	GND	P	Power Ground
39	L/R	I	Left / right selection
40	U/D	I	Up/down selection
41	VGH	P	Gate ON Voltage
42	VGL	P	Gate OFF Voltage

43	AVDD	P	Power for Analog Circuit
44	RESET	I	Global reset pin
45	NC	-	No connection
46	VCOM	I	Common Voltage
47	DITHB	I	Dithering function
48	GND	P	Power Ground
49	NC	-	No connection
50	NC	-	No connection

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 requirements or existing samples, and we will recommend suitable standard products or create a custom solution.

This LCD is what we want, but it's too large. Do you have smaller sizes with modified display content?

For segment type LCD modules requiring size or content modifications, we can create new tooling to produce custom displays according to your specifications.

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

Yes, we can modify the display type to STN as per your requirements.

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

Absolutely. Please provide your technical drawings or specifications including outline size, glass thickness, polarizer type, display type, connector mode, temperature ranges, and drive conditions.

What is the lead time for tooling?

Typically 15-25 days after drawing confirmation and tooling payment. We will provide exact timelines upon project confirmation.

Can you send us samples for evaluation?

Yes, sample orders are available for product evaluation and testing.

What is the lead time for production?

For standard products in stock, lead time is 1 day after payment. For mass production of custom orders, lead time is typically 15-30 days. We will notify you if we can complete production sooner.



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