

4.3 Inch IPS TFT LCD Display with 480x272 Pixel Resolution and All Viewing Angles

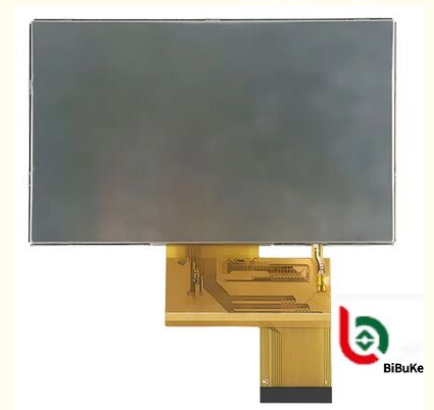
Basic Information

- 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

- Display Type: TFT LCD
- Display Technology: LCD
- Surface Luminance: 500 Cd/m2 (Customizable)
- Pins Number: 40PINS
- Viewing Angle: IPS, All Viewing Angles
- Interface Types: RGB
- Fpc Connect: ZIF FPC 46mm
- Backlight: LED Backlight
- Highlight: **4.3 Inch TFT LCD Display, 480x272 Pixel IPS TFT Screen, IPS All Viewing Angles LCD Module**



Product Description

4.3 Inch IPS TFT LCD Display with ST7283 Driver IC

High-performance 4.3-inch IPS TFT LCD display featuring 480×272 pixel resolution and 262K full-color capability. Equipped with ST7283 driver IC for reliable operation.

Technical Specifications

Product	4.3 Inch TFT Display	Resolution	480×272
Viewing Direction	IPS, All Viewing Angles	Driver IC	ST7283
Touch Screen	No (RTP and CTP Optional)	Pin Number	40 Pins
Connection	ZIF FPC 46mm	Surface Luminance	500 Cd/m ² (nits)
Operating Voltage	3.3V	Interface	RGB
Operating Temperature	20°C to +70°C	Storage Temperature	-30°C to +80°C
LED Lifetime	40,000 Hours	Compliance	REACH & RoHS Compliant

Product Overview

This 4.3-inch diagonal display utilizes IPS technology for ultra-wide viewing angles, ensuring consistent visual quality from any direction. The 262K full-color display delivers rich, vibrant colors for realistic image reproduction. The ST7283 driver IC provides efficient display control with RGB interface compatibility for easy device integration. Operating at 3.3V with low power consumption, this module offers reliable performance for demanding applications.

Application Areas

Industrial Control: Ideal for instruments and control equipment with wide viewing angles for operator visibility

Appliance Field: Suitable for coffee machines, microwave ovens, and other household appliances

Medical Equipment: Used in analyzers, monitoring devices, and medical instruments

Vehicle-Mounted Display: Applications in dashboards and multimedia systems for vehicle information display

BIGBOOK TFT LCD Module Series

Standard sizes: 1.44", 1.77", 2.0", 2.4", 2.8", 3.2", 3.5", 4"(3.97"), 4.3", 5", 7", 8", 9", 10.1"

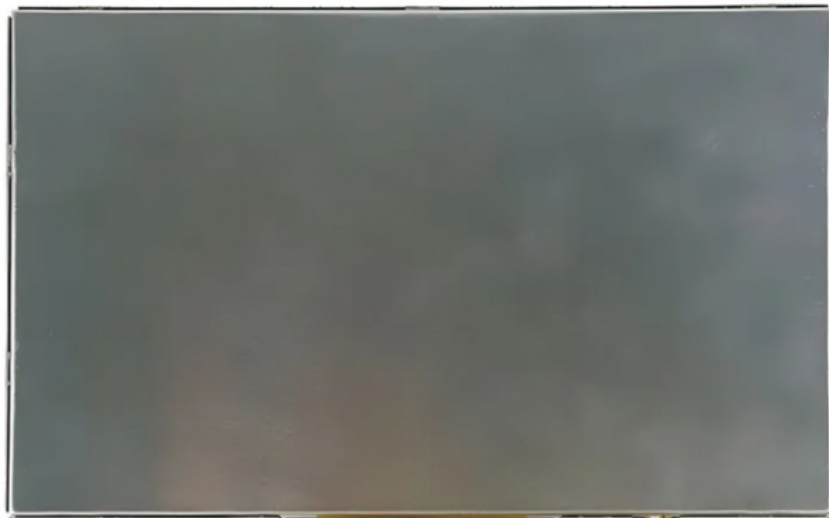
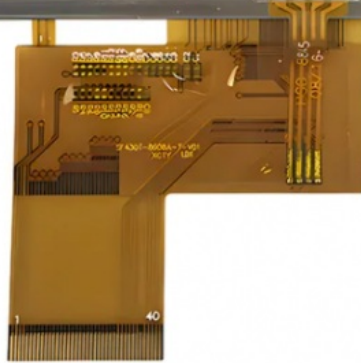
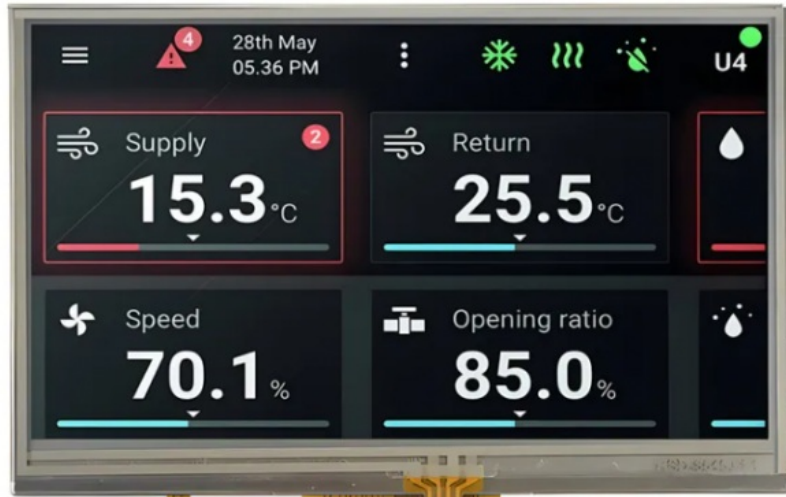
Developed 4.0" LCD module with IPS glass

ZIF FPC connection available for 2.4" to 7.0" displays

Standard CTP for 3.2", 3.5", 4.3", 5.0", 7", 8", 10.1"

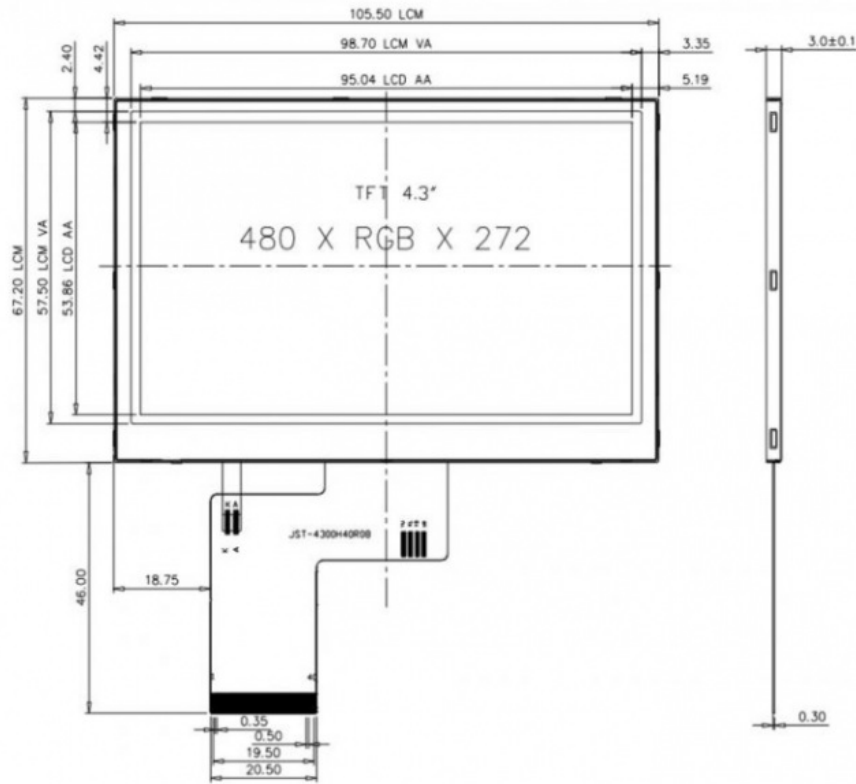
High transmittance RTP for 4.3" and 7" displays

Customized CTP solutions available



Pin Configuration

Outline Drawing



No.	Pin Name	I/O	Description
1	LED-K	I	LED Cathode
2	LED-A	I	LED Anode
3	VSS	I	Power Ground
4	VDD	I	Power Source
5-12	R00-R07	I	RED Data Signal (LSB)
13-20	G00-G07	I	GREEN Data Signal (LSB)
21-28	R00-R07	I	BLUE Data Signal (LSB)
29	VSS	I	Power Ground
30	DLCK	I	Clock Signal to Sample each data
31	DISP	I	Display ON/OFF Signal
32	HSYNC	I	Horizontal Synchronizing Signal
33	VSYNC	I	Vertical Synchronizing Signal
34	DE	I	Input Data enable control
35	NC	-	Set Open
36	GND	I	Power Ground
37	XR	I	Touch Panel PIN
38	YD	I	Touch Panel PIN
39	XL	I	Touch Panel PIN
40	YU	I	Touch Panel PIN

Frequently Asked Questions

Custom LCD Display Requirements

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

Answer: Yes, we can accommodate custom specifications. Please provide your detailed requirements or samples, and we'll recommend suitable solutions or create custom designs.

Size Modifications

Question: 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.

Answer: For segment type LCD modules requiring size or content modifications, new tooling is required for custom glass modules.

Display Type Changes

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

Answer: Yes, we can modify display types according to your specific requirements.

Custom Module Development

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

Answer: Absolutely. Please provide your drawing specifications or detailed requirements including outline size, glass thickness, polarizer, display type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

Tooling Timeline

Question: What is leading time for tooling?

Answer: Typically 15 to 25 days after drawing confirmation and tooling payment. Exact timelines will be provided upon project confirmation.

Sample Availability

Question: Can you send us samples for checking?

Answer: Yes, sample orders are available for evaluation.

Production Lead Times

Question: What is the Leading Time?

Answer: Standard products in stock ship within one day. Mass production for custom orders typically requires 15-30 days, with earlier completion updates provided when possible.



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