



4.3 Inch All Viewing Angles 480x272 Pixel TFT LCD Display with IPS Technology and RGB Interface

Our Product Introduction

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

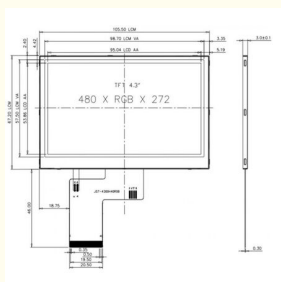


Product Specification

- Display Size: 4.3 Inches
- Backlight Technology: LED
- Interface Types: RGB
- Operating Temperature: -20°C To 70°C
- Display Mode: Normal White
- Operating Voltage: 3.3V
- Surface Luminance: 500 Cd/m2
- Viewing Direction: All Viewing Angle(80/80/80/80)
- Highlight: **4.3 Inch TFT LCD Display ,
All Viewing Angles TFT Screen ,
480x272 Pixel LCD Display**



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4.3 Inch All Viewing Angles 480×272 Pixel TFT LCD Display

High-performance 4.3-inch IPS TFT LCD display featuring 480×272 resolution and wide viewing angles for industrial and commercial applications.

Technical Specifications

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

Product Overview

This 4.3-inch IPS TFT LCD display with 480×272 pixel resolution utilizes ST7283 driver IC technology. The display features full-view capability with 80° viewing angles in both horizontal and vertical directions. With RGB interface compatibility and 3.3V operating voltage, it delivers 500cd/m² brightness suitable for most indoor environments.

Driver IC Features

The ST7283 driver IC from STMicroelectronics supports multiple interface modes including parallel and serial interfaces. It provides comprehensive graphic processing functions, making it ideal for various embedded display solutions.

Structural Design

The display utilizes ZIF FPC connection with 46mm length and standard 40-pin configuration for easy integration with other circuit modules. Optional resistive touch screen (RTP) or capacitive touch screen (CTP) configurations are available.

Application Areas

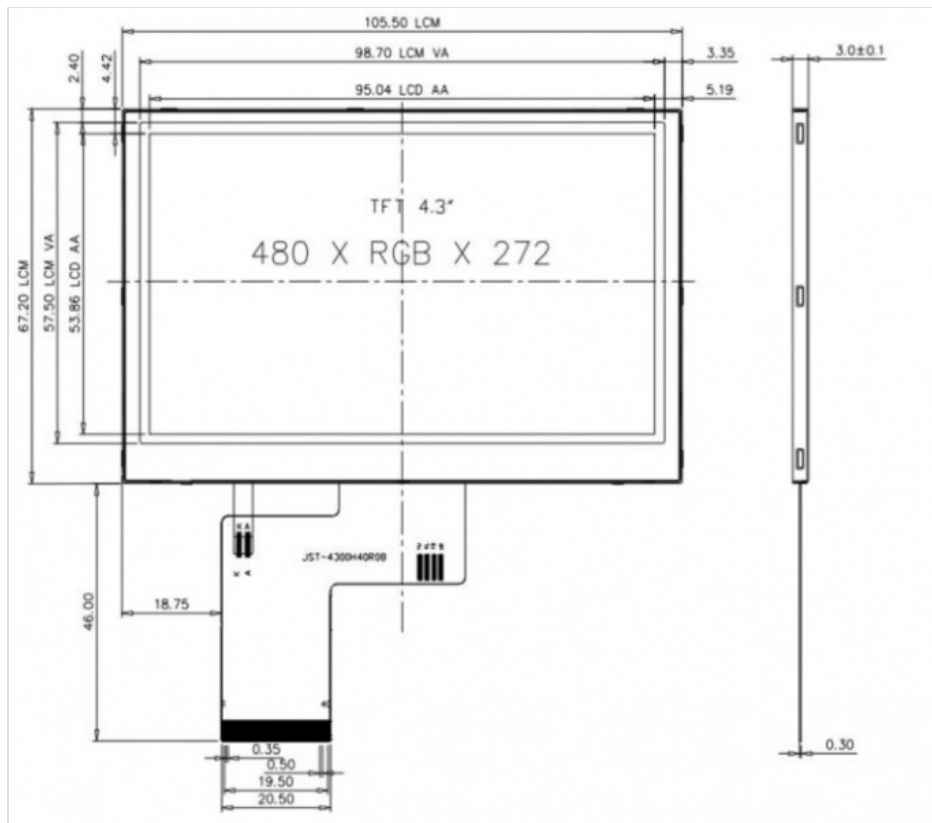
Industrial Control: Operation interfaces for CNC machines and automated production lines with stable multi-angle viewing

Medical Equipment: Patient monitors and blood glucose meters requiring clear, stable data display

Consumer Electronics: Portable media players and electronic photo frames with accurate color reproduction

Vehicle Display: Dashboard instrumentation and multimedia systems with wide viewing angles





Pin Configuration

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	B00-B07	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

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

Yes, we can accommodate this requirement. Please provide your specifications or drawing. If unavailable, send samples and we'll recommend suitable standard products or customize based on your requirements.

2. 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 modification or display content changes, new LCD glass modules with custom tooling are necessary.

3. 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.

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

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

5. What is leading time for tooling?

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

6. Can you send us samples for checking?

Yes, sample orders are available for evaluation.

7. What is the Leading Time?

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



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