

2.8 Inch 480x640 High Resolution Full Viewing Angle LCD TFT Display with IPS Technology

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Aa Size: 43.20 X 57.60 Mm
- Outline Dimension: 50(W) X 69.2(L) X 2.35(T) Mm
- Resolution: 480x640 Dots
- Connector: FPC Connector Type
- Storage Temperature: -20°C To 60°C
- Touchscreen: Customized
- Screen Size: 2.8 Inches
- Surface Luminance: 260 Cd/m2(nits)
- Highlight: **2.8 Inch LCD TFT Display, 480x640 Resolution TFT LCD Screen, Full Viewing Angle IPS TFT Display**



Product Description

2.8 Inch 480x640 High Resolution Full Viewing Angle LCD TFT Display

This high-quality 2.8-inch TFT LCD display features 480x640 resolution with full viewing angle IPS technology, delivering exceptional clarity and color accuracy for various industrial and embedded applications.

Technical Specifications

Product	2.8" Inch TFT LCD Display
Resolution	480x640 Dots
Driver IC	ILI9806E, Or ST7701
Touch Screen	Without Touch Screen
Cover Glass	Customizable
Viewing Direction	Free(80/80/80/80)
Outline Dimensions	50(W) X 69.2(L) X 2.35(T) mm
Active Area	43.20 X 57.60 mm
Interface	RGB (customizable)
Connection	FPC Connector Type
Pin Number	40 Pins (customizable)
Surface Luminance	260 Cd/m ² (nits)
Supply Voltage	3.2 V
Backlight Type	White LED

Product Overview

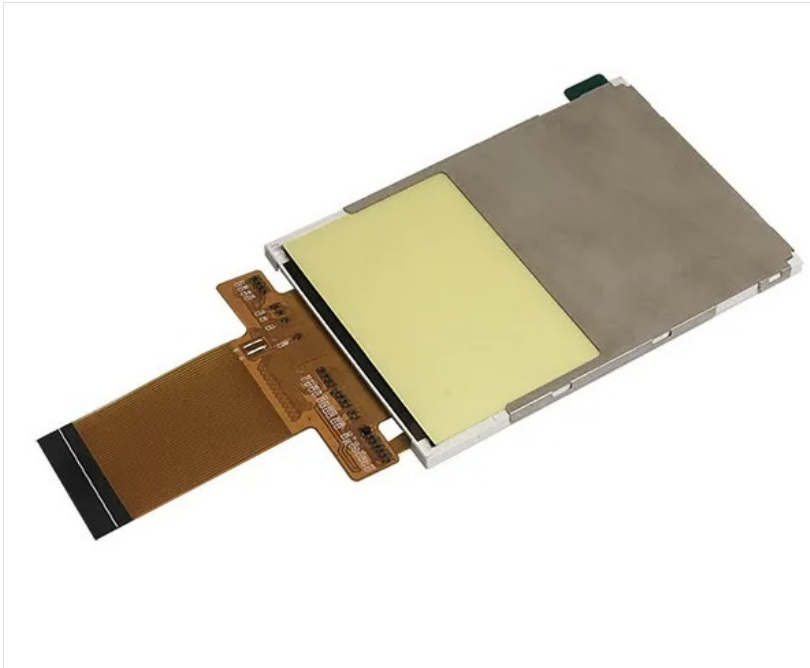
This compact active-matrix liquid crystal display module utilizes IPS technology to achieve 178° full viewing angles with minimal color or brightness degradation. The 480x640 resolution on a 2.8-inch display area (43.2x57.6mm) provides detailed and clear images with 16.7M true-color display capability.

Commonly driven by ST7701S or ILI9806E ICs, the display supports multiple interface options including RGB parallel and SPI serial interfaces, with MIPI DSI customization available. The module operates at 3.3V with a temperature range of -20°C to 70°C, making it suitable for both industrial and consumer applications.

Typical Applications

- Portable medical devices and handheld instruments
- Industrial control systems and monitoring equipment
- IoT devices and smart home control panels
- Embedded systems with Raspberry Pi, STM32, and Arduino
- Consumer electronics auxiliary displays





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, provide samples and we'll recommend suitable products 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 or content modifications, new tooling is required for custom LCD glass modules.

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

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

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

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

What is the lead time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling charge payment. Exact timing will be confirmed upon drawing approval.

Can you send us samples for checking?

Yes, sample orders are available.

What is the lead time?

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



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