

3.5 Inch TFT LCD Touch Screen with Mipi 2lane Interface and 480x640 Resolution Featuring ST7796/ILI9488 Driver IC

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

- Interface: Mipi 2lane
- VA Size: 53.28 Mm * 71.04 Mm
- Viewing Direction: 9 O'clock
- Resolution: 480 * 640 Dots
- Lcd Type: CTP
- Luminance: 300cd/m2
- Outline Dimension: 64.00 Mm * 85.00 Mm * 3.00 Mm T
- Driver Ic: ST7796/ ILI9488
- Highlight: **Mipi 2lane TFT LCD Touch Screen ,
480x640 Resolution LCD Display Module,
ST7796/ILI9488 Driver IC Touch Screen Panel**



Product Description

3.5 Inch TFT LCD Touch Screen - Full Viewing Angle Mipi 2lane With CTP

High-quality 3.5-inch TFT LCD touch screen featuring full viewing angle, MIPI 2-lane interface, and capacitive touch panel (CTP) technology.

Product Specifications

Resolution	480 × 640
Size	3.5 Inch
Viewing Direction	9 O'clock
TFT Mode	TFT, Transmissive

Detailed Specifications

Item	Content	Description
1	Display outline size	64.00 mm × 85.00 mm × 3.00 mm T
2	VA size	53.28 mm × 71.04 mm
3	Resolution	480 × 640 Dots
4	With/Without Touch screen	With CTP
5	Interface	Mipi 2lane
6	Brightness	300 Cd/M2
7	Driver IC	ST7796/ ILI9488



Core Parameters and Features

Size/Resolution: 3.5 inches with 480×640 resolution, offering clear text and icon display

Display Technology: IPS full-viewing angle with approximately 178° range and excellent color performance

Interfaces: MIPI DSI 2-lane for low power consumption, high speed, and strong anti-interference

Touchscreen: Capacitive (CTP) supporting multi-touch with sensitive response and gesture operations

Brightness/Contrast: 300-500 nits brightness (up to 700 nits for high-brightness models) with 700:1-1000:1 contrast

Operating Temperature: Industrial grade -20 to +70 (storage -30 to +80)

Form Factor: Compact module thickness around 3.9-4.6 mm with FPC/FFC flexible ribbon cables

Typical Applications

Embedded devices: handheld terminals, industrial controllers, instruments, smart home panels

Vehicle HMI: central control systems, air conditioning controls, camera displays

Consumer electronics: portable medical devices, handheld game consoles, smart doorbells

Frequently Asked Questions

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

No problem. Please send us your specification/drawing. If unavailable, provide samples and we'll recommend suitable options or customize based on your requirements.

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

For segment type LCD modules requiring size or content changes, new tooling is needed for a custom LCD glass module.

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

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

Can you customize a new LCD module?

Yes. Please provide your drawing or specifications including outline size, display information, glass thickness, polarizer type, connector mode, temperature ranges, voltage, and viewing direction.

What is the lead time for tooling?

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

Can you send samples for evaluation?

Yes, sample orders are available for standard products.

What is the production lead time?

Standard products in stock ship within 1 day. Special mass production orders take 15-30 days, with earlier completion updates when possible.



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