

360x640 Resolution IPS 3 Inch TFT LCD Module Display with 40PIN FPC Connector

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

- Surface Luminance: 300 Cd/m² (Customizable)
- Pin Number: 40PIN
- Connection: FPC Connector Type
- Interface Types: RGB
- Display Type: TFT LCD
- Backlight: White LED
- Pixel Arrangement: RGB-Stripe
- Backlight Technology: LED
- Highlight: **360x640 Resolution TFT LCD Module, IPS Technology TFT LCD Display , 40PIN FPC Connector LCD Screen**



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360x640 IPS 3 Inch TFT LCD Module Display

High-performance 3-inch TFT LCD module featuring IPS technology with 360x640 resolution and wide viewing angles for industrial and commercial applications.

Technical Specifications

Product	3.0" Inch TFT LCD Module	Resolution	360x640 Dots
Viewing Direction	Free(80/80/80/80)	Touch Screen	Without Touch Screen (Customizable)
Cover Lens	Customizable	Surface Luminance	300 Cd/m ² (Customizable)
Interface	RGB	Pin Number	40 Pins
Connection	FPC Connector Type	Driver IC	ST7701S
Operating Temp.	-20°C To +70°C	Compliance	REACH & RoHS Compliant

Product Features

This advanced TFT LCD module utilizes IPS (In-Plane Switching) technology to deliver exceptional full-view performance with consistent color accuracy and minimal brightness loss across all viewing angles. The 360x640 resolution provides sharp image quality on the 3-inch screen with approximately 155 PPI pixel density. Featuring an RGB interface for seamless integration with compatible motherboards, the module employs normally black transmissive display technology with 300 cd/m² brightness and 800:1 contrast ratio for vivid, clear imagery. The slim 2.35mm profile enables space-efficient integration into compact device designs.

Application Areas

Medical Equipment: Portable medical devices including blood glucose meters and blood pressure monitors, providing clear data display with full-view visibility for medical professionals and patients

Industrial Control: Control panels and handheld programmers offering stable, reliable display performance in demanding industrial environments with multi-angle viewing capability

Smart Home: Integration into smart doorbells, thermostats, and home automation systems with wide viewing angles for convenient monitoring from various room positions

Handheld Devices: Electronic dictionaries, portable gaming consoles, and other handheld electronics requiring moderate screen size with quality image and text display

Smart Wearable Devices: Larger-sized smart watches and fitness trackers displaying time, health metrics, and notifications with optimal visibility across different viewing angles



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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 specifications or drawing. If unavailable, we can analyze your samples and recommend suitable standard products or develop custom solutions based on your requirements.

This LCD is suitable but the size is too large. Do you have smaller options with modified display content?

For segment-type LCD modules requiring size reduction or display content modification, we create new LCD glass modules through custom tooling development.

Can you produce STN type instead of HTN type LCD displays?

Absolutely. We can modify the display type according to your specific requirements and technical specifications.

Do you offer custom LCD module development?

Yes, we specialize in custom LCD module development. Please provide your technical drawings or specifications including outline dimensions, display information, glass thickness, polarizer type, display technology, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

What is the typical tooling lead time?

Tooling development typically requires 15-25 days following drawing confirmation and tooling charge payment. We provide exact timelines upon drawing approval.

Can you provide samples for evaluation?

Yes, sample orders are available for product verification and testing purposes.

What are your production lead times?

Standard products in stock ship within one day after payment. Custom mass production typically requires 15-30 days, with expedited options communicated in advance when available.



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