

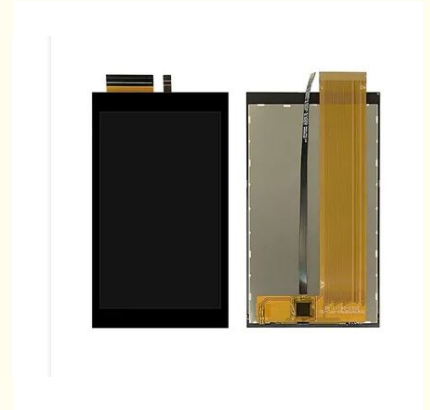
3.97-inch 480x800 MIPI Interface LCD TFT Screen for Industrial and Consumer Applications

Our Product Introduction

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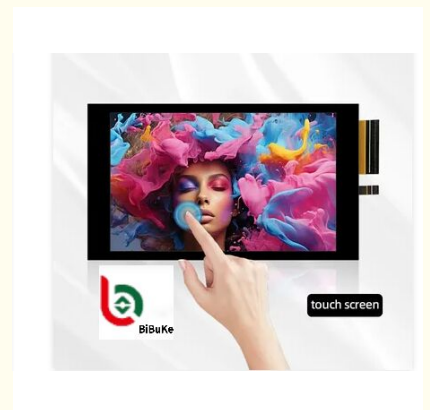
Basic Information

- 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

- Technology: TFT
- Touch Screen: CTP/RTP
- AA Size: 51.84(H) * 86.4(V)
- Pixel Arrangement: RGB Stripe
- Display Technology: LCD
- Lumens Degrees: 400cd/m²
- Color Gamut: RGB
- Backlight Type: LED
- Highlight: **3.97-inch LCD TFT Screen ,
480x800 Resolution TFT LCD Display ,
MIPI Interface Small LCD Display**



More Images



Product Description

3.97-inch 480 * 800 MIPI Interface Small LCD Display

Product Specifications

Size	3.97 inch
Active Area	51.84(H) * 86.4(V) mm
LCD Type	Normally Black
Pixel Arrangement	RGB Stripe
Number of Pixels	480*3RGB(H)*800(V)
Lumens Degrees	400cd/m ²
Drive Element	TFT Active Matrix
Operating Temperature	-20°C to +70°C

Key Features

- TFT display manufacturers
- TFT LCD panel
- Color TFT LCD
- High definition
- Low power consumption
- Sharp images
- Wide viewing angle

The 3.97-inch 480*800 MIPI interface LCD display is a compact display device with diverse applications across multiple industries.

Product Overview

Size and Resolution

Featuring a 3.97-inch diagonal screen with 480*800 resolution, this display delivers high pixel density for clear image quality with sharp text and icons.

Interface Type

The MIPI interface provides high-speed data transmission with minimal pins, offering low power consumption and excellent anti-interference capabilities for seamless integration with embedded processors and controllers.

Panel Type

Available in IPS and TN panel options. IPS panels offer wide 178° viewing angles with stable color and contrast, while TN panels provide narrower viewing angles suitable for specific applications.

Brightness and Contrast

Brightness ranges from 400cd/m² to 1100cd/m² with contrast ratios up to 900:1. High-brightness variants ensure excellent visibility in outdoor or high-ambient light conditions.

Driver IC

Compatible with common driver chips including ST7701S and ILI9806E, supporting various color depths including 16M/262k/65k for versatile display capabilities.

Operating Temperature

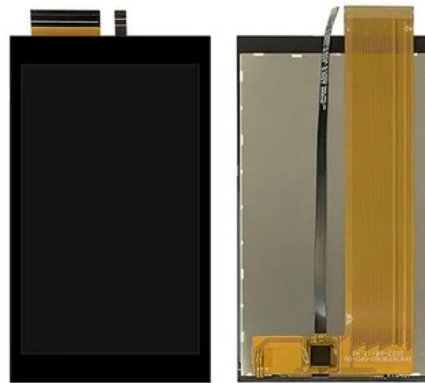
Industrial-grade temperature range of -20°C to +70°C operation and -30°C to +80°C storage, ensuring reliable performance across diverse environmental conditions.

Applications

- Industrial Control:** Intelligent instruments, automated control systems for reliable parameter and status display
- Medical Equipment:** Blood pressure monitors, ultrasound devices for clear data and image display
- Consumer Electronics:** Mobile phones, digital cameras, game consoles, portable media players
- Smart Home:** Control panels for appliance management and environmental monitoring

Vehicle Electronics: HUD displays, vehicle status screens with high visibility in sunlight

Robotics: Educational robots, nurse scanning PDAs for operation interfaces and information display



Frequently Asked Questions

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

Yes, we can accommodate your requirements. Please provide your specifications or drawing. If unavailable, we can recommend suitable standard products or customize based on your needs.

This LCD is what we want, but it's too large. Do you have smaller sizes? The display content also needs minor changes.

For segment type LCD modules requiring size or content modifications, we can create new LCD glass modules with custom tooling.

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

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

Can you customize a new LCD module?

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

What is the lead time for tooling?

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

Can you send samples for evaluation?

Yes, sample orders are available for quality verification.

What is the production lead time?

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



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