

## 3.97 Inch TFT LCD Display with 480x800 Resolution and MIPI Interface for Fingerprint Lock

Our Product Introduction

for more products please visit us on [lcdtftscreen.com](http://lcdtftscreen.com)

### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Model Number: BBI-001
- 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

- Name: TFT LCD Display
- Contrast Ratio: 1000:1
- Display Type: TFT
- Resolution: 480x800 Dots
- Viewing Angle: 178 Degrees
- Pixel Pitch: 0.18mm
- Active Area: 51.84(H)\* 86.40(V) Mm
- Highlight: **3.97 Inch TFT LCD Display, TFT LCD Display 480x800, MIPI Interface Display**



## Product Description

### MIPI Interface 3.97 Inch TFT LCD Display 480x800 24PIN For Fingerprint Lock

This 3.97-inch TFT LCD display offers a slightly larger screen area compared to standard 3.5-inch displays, providing enhanced visibility for embedded and DIY projects. It maintains the core benefits of TFT technology—vibrant colors, sharp resolution, and fast refresh rates—in a compact form factor ideal for applications requiring additional screen space while maintaining a small footprint.

The display features a 24-pin interface designed with FPC (Flexible Printed Circuit) connectivity and utilizes MIPI DSI interface (typically 2 channels). This mobile-optimized interface delivers higher transmission rates and lower power consumption compared to traditional interfaces. The 24-pin configuration includes power ground, differential data pairs, differential clock pairs, reset pins, and dedicated pins for LED backlight power and reset control, ensuring stable data transmission and reliable screen operation.

With a 3.97-inch diagonal size, this TFT LCD employs active matrix Thin Film Transistor technology combined with an IPS panel, providing wide 80-degree viewing angles from all directions. The 480x800 resolution with 0.108mm×0.108mm dot pitch delivers clear, detailed imagery suitable for vertical display applications. The display offers a 900:1 contrast ratio and brightness up to 600 nits for excellent visibility even in bright lighting conditions.

Powered by the ST7701S driver IC, this module operates within a narrow voltage range of 2.8-3.3V with low power consumption. It functions reliably in temperatures from -20 to 70 and can be stored in conditions ranging from -30 to 80, making it suitable for most daily and industrial environments. The compact module thickness of approximately 2mm (57.14×96.85×2.15mm dimensions) facilitates easy integration into space-constrained devices.

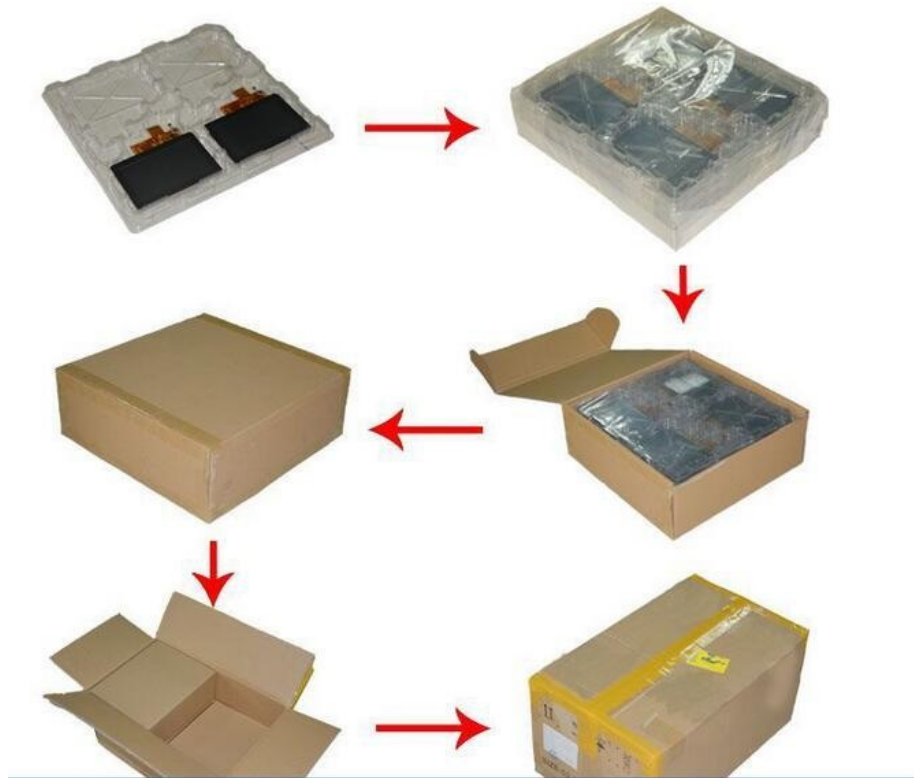
### Technical Specifications

Parameter	Specification
Product Name	3.97 Inch TFT LCD
LCD Type	IPS
Viewing Angle	All Directions
Resolution	480x800 dots
Operating Temperature	-20 to +70
Storage Temperature	-30 to +80
FPC Connector	24PIN, ZIF type
Driver IC (COG)	GC9503CV
Interface	MIPI
Backlight Type	8-LED, White, Parallel
Backlight Power	Vf=24±1.6V, If=20mA
Outline Dimension	57.14(H)×96.85(V)×2.20(D) mm
Active Area	51.84(H)×86.40(V) mm



## Packaging

We use carton boxes, cupboard packaging, EPE foam, and blister trays. Packaging methods are customized based on product size and customer requirements, adhering to specific country regulations.



## Shipping

Available shipping methods include DHL, FedEx, EMS, UPS, air shipping, and sea shipping. We accommodate your preferred shipping method.

	 2-7days	 2-8days	 2-7days	 3-15days	 2-5days	 2-7days
<b>Notice</b>	<ol style="list-style-type: none"><li>1. EMS for Brazil, Russia and Remote areas .</li><li>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .</li><li>3. Having logo product can' t be sent by FEDEX .</li><li>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us !</li></ol>					

## Payment Method



## 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, you can provide samples and we'll recommend suitable standard products or customize according to 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 outline size modifications or display content changes, we will create new tooling to meet your specifications.

**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 customize a new LCD module. Can you do?**

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

**What is leading time for tooling?**

Typically 15 to 25 days after drawing confirmation and tooling charge payment. We will provide exact timelines upon drawing approval.

**Can you send us samples for checking?**

Yes, sample orders are available for quality verification.

**What is the Leading Time?**

For standard products in stock: 1 day after payment. For mass production of custom orders: approximately 15-30 days. We will notify you if we can complete production earlier.

---

**Our Services**

- Free repair within one year after product shipment
- Replacement within 30 days after shipment for product-related issues
- Custom logo printing and model number application
- Established partnerships with major shipping companies offering competitive rates
- Professional technical support with responsive after-sales service team
- Comprehensive quality control with pre-shipment inspection by engineers and QA/QC
- 24-hour response time for customer inquiries via email or online communication
- Custom LCD display manufacturing based on your specifications or drawings

---

**Product Applications**

**Household Appliances**

Refrigerators, air conditioners, fans, heaters, water heaters, electric blankets, air purifiers, washing machines, vacuum cleaners, range hoods, microwave ovens, cookers, electric ovens, rice cookers, water dispensers, tea sets

**Communication Equipment**

Telephones, intercoms, fax machines, wireless wifi devices

**Automotive Electronics**

On-board entertainment systems, automobile fault detectors, CarLog systems, vehicle navigators, car audio, reverse radar, cameras, anti-theft devices

**Instruments**

Water meters, electric meters, multimeters, electronic scales, pressure meters, temperature meters, flow meters, display instruments, analytical instruments

**Fitness Equipment**

Treadmills, exercise bikes, training devices, pedometers, code tables, beauty instruments, weighing scales

**Financial Equipment**

Tax control cash machines, POS systems, USB-key cheque printers, banknote counting machines, tax control invoice machines

**Consumer Electronics**

MP3/MP4 players, DVD players, electronic dictionaries, e-readers, learning machines, electronic organs, clocks, calculators

Features: High resolution, high definition, high brightness, cost-effective, energy efficient, wide temperature range operation, positive/negative display options



**Dongguan Bibuke Electronic Technology Co., Ltd.**



+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881