



## 6.86-Inch High Brightness 800 cd/m<sup>2</sup> 1280\*480 Dots MIPI LCD Module with IPS TFT Screen and CTP

Our Product Introduction

### 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

- Viewing Direction: All
- Screen Type: TFT LCD
- Operating Temperature: -20°C To 70°C
- Aa Size: 60.19\*160.51
- Backlight Technology: LED
- Backlight: 12-LEDs (white)
- Brightness: 800 Cd/m<sup>2</sup>
- Dimensions: 66.6\*181.0\*6.9
- Highlight: **6.86-Inch TFT LCD Display ,  
High Brightness 800 cd/m<sup>2</sup> IPS TFT Screen ,  
1280\*480 Dots MIPI LCD Module**



### More Images



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## Product Description

### 6.86-Inch High Brightness 1280\*480 MIPI Interface with CTP IPS TFT LCD Display

High-performance color display module featuring IPS technology and integrated capacitive touch screen for industrial and automotive applications.

#### Technical Specifications

Item	Contents	Unit
LCD Type	TFT	-
Display color	16M	
Viewing Direction	ALL	O'clock
Operating temperature	-20~+70	
Storage temperature	-30~+80	
Module size	66.6*181.0*6.9	mm
Active Area(W*H)	60.19*160.51	mm
Number of Dots	1280*RGB*480	dots
Power Supply Voltage	3.3	V
Backlight	12-LEDs (white)	pcs
Brightness(LCM)	800	cd/m <sup>2</sup>
Data Transfer	MIPI	-
LCM Connector Type	AFC30-S40FCC-00	0.5PITCH 40pin
Driver IC	FL7707	
CTP IC	GT911	

#### Product Overview

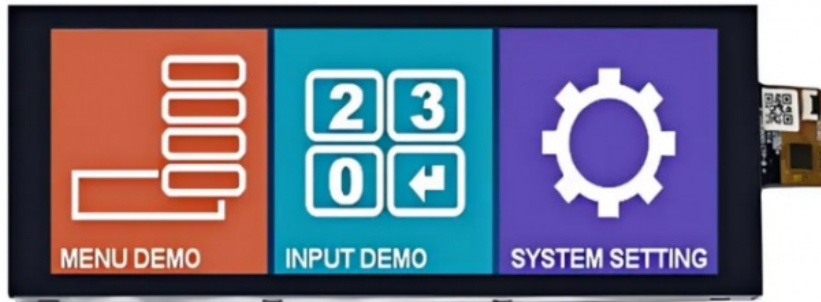
This high-performance color display module utilizes IPS (planar conversion) technology with TFT liquid crystal architecture. Featuring a resolution of 1280\*480 pixels and a display area of approximately 160.6\*60.2mm, this strip-shaped screen integrates capacitive touch screen (CTP) supporting multi-point touch with sensitive operation. The MIPI DSI interface provides high-speed data transfer with low power consumption and strong anti-interference capabilities, making it suitable for mainstream embedded processors and vehicle/handheld solutions.

#### Performance Characteristics

- High brightness: 500-800 cd/m<sup>2</sup> (some models reaching 1000 cd/m<sup>2</sup>) for clear visibility in strong outdoor light
- 16.7 million colors with approximately 800:1 contrast ratio
- IPS technology provides full viewing angle (80°+ in all directions) without color deviation
- Operating voltage: 3.3V with backlight and touch module compatibility at 2.8-3.3V
- Operating temperature: -20 to +70 for industrial and vehicle environments
- FPC flexible wiring (40pin) for flexible installation and space optimization

#### Key Applications

- Automotive Electronics:** Car central control sub-screens, dashboard side information displays, RV/truck navigation status bars
- Industrial Equipment:** Handheld barcode scanners, logistics PDAs, HMI operation panels, warehouse electronic tags
- Medical Terminals:** Portable monitors, ultrasound diagnostic equipment displays
- Smart Home & Commercial:** Smart refrigerator displays, building intercom panels, retail information screens
- Transportation & Outdoor:** Shared bike/charging station status screens, bus stop/subway route indicators



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## Frequently Asked Questions

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**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 you don't have specifications, we can recommend suitable standard products or customize based on your requirements.

**This LCD is what we want, but it's too large. Do you have smaller sizes? We also need to modify the display content slightly.**

For segment type LCD modules requiring size modifications or display content changes, 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.

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

Absolutely. Please provide your drawing or specifications including outline size, glass thickness, polarizer type, 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. We will provide exact timelines upon drawing approval.

**Can you send samples for evaluation?**

Yes, sample orders are available for testing and evaluation.

**What is the production lead time?**

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



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