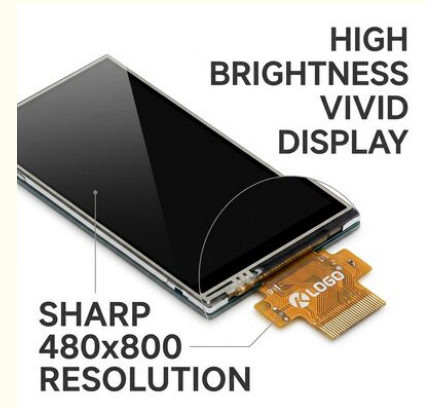


3.97-inch 480x800 MIPI Interface, High Brightness TFT LCD Display Module

Our Product Introduction

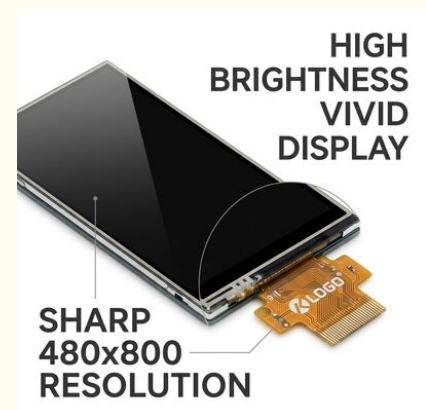
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Basic Information



Product Specification

- Fpc Connect: 24 Pins
- Dimensions: 57.14 X 96.85 X 1.95 Mm
- Luminance: 420 Cd/m²
- Screentype: LCD TFT
- Storage temperature: -30°C To 80°C
- Backlight Type: LED
- Contrast Ratio: 800:1 (Typ.)
- Panel Type: IPS



More Images



Product Description

3.97-inch 480x800 MIPI Interface, High Brightness TFT LCD Display Module

Description

Product:	3.97-inch TFT LCD	Resolution:	480 X 800 Pixels (RGB)
Driver IC:	NT35512SH Or Equivalent	Outline Dim.:	57.14 X 96.85 X 1.95 Mm
Operating Temp:	-20°C To +70°C	Touch Panel Option:	Customizable (RTP/CTP Available)
Viewing Direction:	All Viewing Angles (IPS)	Interface:	MIPI (DSI)
Contrast Ratio:	800:1 (Typ.)	Pin Number:	24 Pins
Surface Luminance:	420 Cd/m2(nits)	Backlight Type:	White LED
LED Lifetime:	40,000 Hours	Compliance:	REACH & RoHS Compliant

Here we provide a detailed introduction to the 3.97-inch 480×800 MIPI interface high-brightness TFT liquid crystal display module. Additionally, we have attached the corresponding product images:

Product Introduction

This is an IPS TFT display module with a vertical screen (480 width × 800 height), measuring 3.97 inches. It is close to the mainstream handheld device specification of 4 inches. The core adopts the MIPI DSI 2-Lane high-speed serial interface. Compared with the traditional parallel interface, MIPI has the advantages of fewer wiring, lower power consumption, and stronger anti-interference, which is suitable for the display output of modern processors; it is equipped with the ST7701S driver IC, with power supply mostly ranging from 2.8V to 3.3V, and has strong compatibility.

In terms of brightness, the standard high-brightness model can reach 600 nits, and the outdoor enhanced model can achieve 1000–1200 nits. It supports clear visibility in strong light; the IPS panel provides a full view (80° on each side and up and down), with natural color reproduction, and can display 1670 million colors; the working temperature usually covers -20 to +70, and the storage temperature -30 to +80, meeting the stability requirements for industrial and outdoor scenarios; the module mostly uses FPC flexible board connection, facilitating installation in compact spaces, and some models offer an integrated capacitive touch (CTP) solution.

Core application

Handheld industrial / medical equipment: Portable data collectors, handheld terminal PDAs, small monitors for monitoring, ultrasound diagnostic devices, vertical screens are suitable for displaying forms, waveforms and text, and the high brightness remains clear in hospital corridors / workshops under strong light.

Automotive electronics: Driving recorders, HUD secondary screens, in-car control panels / tire pressure monitoring screens, wide temperature range and anti-interference capabilities are suitable for complex environments inside the vehicle.

Consumer electronics: Smart POS machines, portable navigators, small game consoles, smart home control panels, MIPI interface is convenient for connecting to ARM architecture motherboards.

Outdoor intelligent terminals: Express cabinet display screens, shared equipment interaction screens, outdoor handheld mapping instruments, the high-brightness version of 1000+ nits can achieve readability in sunlight.

Security surveillance: Portable surveillance cameras, door access intercom indoor units, clear display of pictures and operation menus.





Our Services:

1. Free repair within one year after the shipment of products from us.
2. Replacement within 30 days after the shipment of products from us due to products' problems.
3. We can print your logo and stick your model No.on the cameras.
4. We have long cooperation with many shipping companies and our export volume is large. The shipping companies can offer us good discounts.
5. Professional technician supports. We have a good after-sales service team. They can solve your problems in time.
6. All goods will be inspected and tested by our engineers and QC/QA before packing and shipment.
7. Customers satisfactory is most important to us. If you have any problem or questions regarding our transaction. Please contact us by Email or online. It will be responded within 24 hours.
8. Products pictures only for your reference. please kindly refer to the specification. we can provide the products basic on the specification. or you can offer your own specification or drawing , we can customize all kinds of LCD displays for you. thanks for your kind support always.

FAQ:

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

Answer: No problem. Firstly, please kindly send us your specification/ drawing paper
If you have not the specification, you can also provide your samples; we will recommend the suitable one if it is standard products. Or we can customize for you based on your own requirement.

2. 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.

Answer: For the segment type LCD module, if you need modify the outline size or display content, a new LCD glass module is need. We have to open new tooling for you.

3. This LCD display is HTN type, but I want STN type, can you make?

Answer: That's all right . we can change for you as per you request.

4. I want customize a new LCD module. Can you do?

Answer: Yes, we can. Please send your drawing paper. If you have not, please advise me the outline size of the LCD display, display information(Glass thickness, Polarizer, Display Type, Connector mode, Storage Temp. Operating Temp. Supply Voltage, Viewing direction, drive condition), we can customize for you.

5. What is leading time for tooling?

Answer: General speaking, it will cost 15 to 25 days after drawing paper confirmation and tooling charge payment, we can report you the exact time when you confirm the drawing paper.

6. Can you send us samples for checking?

Answer: Yes., Samples order is available.

7. What is the Leading Time?

Answer: If we have stock for the standard ones, the leading time is one day after payment. If it is the mass production for special ones, the leading time is about 15-30 days. suppose we can finish earlier, we will report the information in advanced.



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