

1.33 Inch Small LCD Display with 4 Wire SPI Interface 350 cd/m² Brightness and 600:1 Contrast Ratio

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

- Viewing Angle: All
- Operating Temperature: -20°C To 70°C
- Resolution: 240*240
- Pixel Driving Element: A-Si TFT
- Keywords: 1.33 Inch Lcd Display
- Interface: 4 Wire SPI
- Name: Small LCD Display
- Highlight: **1.33 Inch Small LCD Display, Small LCD Display 4 Wire, RGB Vertical LCD Display**



1.33 Inch Small LCD Display 4 Wire IPS 240x240 ST7789V RGB Vertical LCD Display

Product Specifications

Parameter	Value
P/N	N133-2424TCBIG01-H12
Size (inch)	1.33
Resolution	240x240
Active Area (mm)	23.40x23.40
Pixel Pitch (µm)	97.5x97.5
Outline Dimension (mm)	26.16x29.22x1.5
Pixel Arrangement	RGB Vertical Stripe
Display Mode	Normally Black
Viewing Angle	ALL
Display Colors	262K
Brightness (cd/m ²)	350
Contrast Ratio	600:1
Interface	4 Wire SPI
Back-light	LED Side-light type
Driver IC	ST7789V
Operation Temperature (°C)	-20~70
Storage Temperature (°C)	-30~80
Response Time (ms)	35
Pin Number	12

1.33-inch small LCD display, 4-wire SPI interface, 350 cd/m² brightness, is a display module suitable for various small electronic devices. Here is an introduction about it:

Product Introduction:

The diagonal size of this display is 1.33 inches, the screen size is compact, and the resolution can usually reach 240x240 pixels, providing clear display effects. It adopts a 4-wire SPI interface, which has the advantages of simple communication protocol and convenient wiring, and can be easily connected to various main control chips such as STM32 and ESP32. With 350 cd/m² brightness, it can provide good visibility in both indoor and outdoor environments, and users can clearly see the content on the screen even in a bright environment.

Product features:

Most of these displays adopt IPS technology, featuring a wide viewing angle. Viewing from different angles, the displayed colors and brightness change minimally. Their driving chips are often ST7789, supporting RGB565 color depth, capable of displaying a wide range of colors. They can also achieve touch control and dynamic refresh functions through driving codes. Additionally, they usually have low power consumption and ultra-thin characteristics. The operating voltage is generally between 2.8V and 3.3V, and the thickness can be as thin as around 1.5mm.

Purpose:

Wearable devices: such as smart watches and health trackers, with their small size and low power consumption, are suitable for integration into these devices to display data like time, steps, and heart rate.

Portable consumer electronics: applicable to portable game consoles, digital photo frames, etc., providing users with rich information and entertainment content in limited space.

Industrial instruments: in scenarios such as monitoring interfaces of industrial automation equipment and instruments, they can clearly display various data and status information, facilitating operators to monitor the operation of the equipment.

Medical devices: such as blood glucose meters and portable medical monitoring devices, can display patients' physiological data and the working status of the equipment, helping medical staff or users obtain accurate information.

Household appliances: applicable to control panels of microwave ovens, refrigerators, etc., enhancing the operational convenience and intelligence of the equipment.

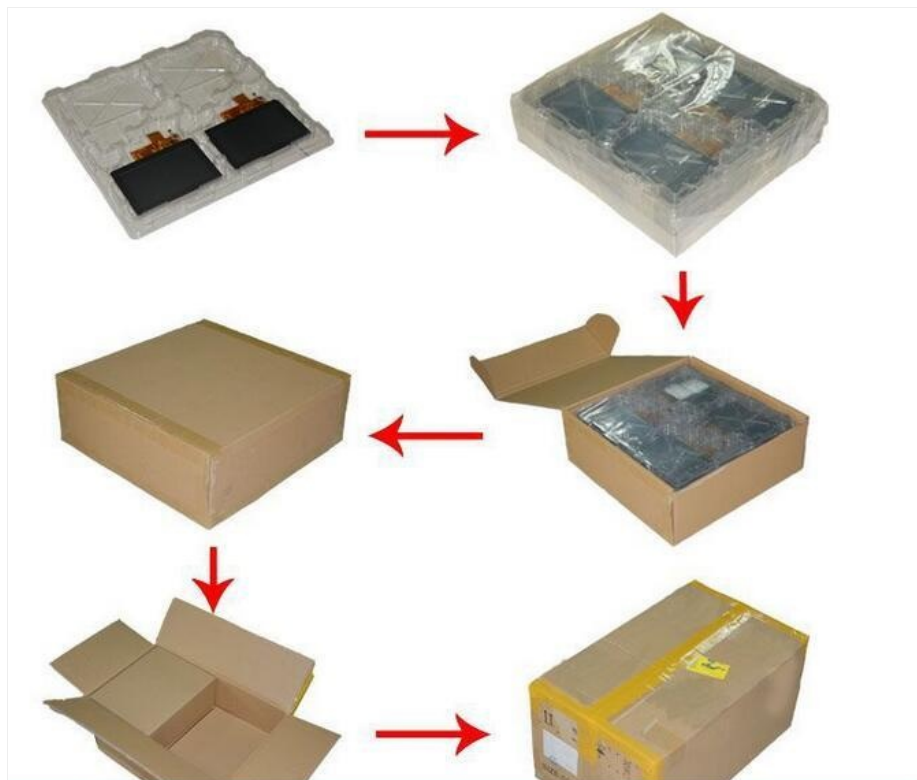




Packaging & Shipping

Packaging:

Carton boxes, Cupboard, EPE, Blister Tray. Packaging method depends on product size and customer requirements. Different countries may have specific packaging requirements.



Shipping:

Express options include DHL, FedEx, EMS, UPS. Also available by air or sea shipping. Any shipping method can be

arranged according to customer preference.

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

Frequently Asked Questions

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

Answer: No problem. Please send us your specification/drawing. If you don't have specifications, you can provide samples and we'll recommend suitable products or customize based on your requirements.

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 segment type LCD modules, modifying outline size or display content requires a new LCD glass module with new tooling.

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

Answer: Yes, we can change the display type according to your request.

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

Answer: Yes, we can. Please send your drawing or provide details including outline size, glass thickness, polarizer type, display type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

5. What is lead time for tooling?

Answer: Typically 15 to 25 days after drawing confirmation and tooling payment. Exact time will be confirmed after reviewing your drawing.

6. Can you send us samples for checking?

Answer: Yes, sample orders are available.

7. What is the Lead Time?

Answer: For standard products in stock: 1 day after payment. For mass production of special orders: approximately 15-30 days. We'll update you if we can finish earlier.

Our Services

- Free repair within one year after shipment
- Replacement within 30 days for defective products
- Custom logo and model number printing available
- Discounted shipping rates through our partner carriers
- Professional technical support and after-sales service
- All products inspected and tested before shipment
- 24-hour response time for customer inquiries
- Custom LCD displays available based on your specifications

- Clean Room class 10k@0.8um, Pressure 0.8kgf
- Antistatic floor, resistance: 1x10 ohm to 1x10 ohm
- COG production lines: 4
- Backlight production lines: 2
- Monthly production capacity: 1 million units



Production Equipments (1)



Silk Screen



Spacer Spraying



Short Detection



ITO Repair

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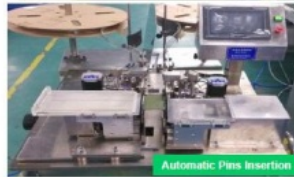
Production Equipments (2)



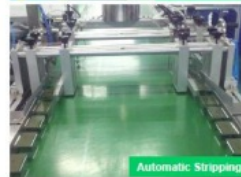
Glass Cutting



Glass Cutting



Automatic Pins Insertion



Automatic Stripping

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Production Equipments (3)



COG Plasma Cleaner



COG Automatic Bonding



COG Bonding



Polarizer Attach

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