2.2 Inch TFT LCD Screen with SPI Interface and 300 Cd/m2 Brightness for Industrial Applications

Our Product Introduction

Basic Information

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

- Light Source: White LED*6
- Interface: SPI
- Screen Size: 2.2 Inches
- Backlight Technology: LED
- Connectivity: Plugging (customizable)
- Pins Number: 14 PINS
- Backlight: White LED
- Viewing Direction: 12 O ' Clock
- Highlight: **2.2 Inch TFT LCD Screen**, **SPI Interface TFT Display**, **300 Cd/m2 LCD Module**

Our Product Introduction

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Product Description

2.2" Inch Touch Panel Screen 176x220 ILI9225G 300 Cd/m²(nits)

This 2.2-inch diagonal full color QCIF 170x220 TFT LCD display is easily controlled by MCU and designed for embedded systems, industrial devices, security equipment, and hand-held applications requiring high-quality colorful imaging.

Product Specifications

Product:	2.2 Inch TFT Screen	Resolution:	176x220
Touch Screen:	Without Touch Screen	Interface:	SPI
Cover Glass:	To Be Customized	Viewing Direction:	12:00
Driver IC:	ILI9225G Or Equivalent	Connection:	Plugging (customizable)
Surface Luminance:	300 Cd/m²(nits)	Pin Number:	14 Pins

BiBuKe

Technical Parameters

- **Size:** Module dimensions approximately 41.7*56.16*3.35mm with effective display area of 43.56x34.85mm
- **Resolution:** 176*220 pixels (QCIF level)
- **Interface:** Supports 3-wire SPI and RGB interfaces for easy microcontroller connection
- **Touchscreen:** Available with resistive touchscreen or without touchscreen option
- **Viewing Angle:** 12 o'clock direction with gray-scale inversion at 6 o'clock
- **Brightness:** Typical brightness value of 200cd/m²
- **Operating Temperature:** -20 to +70 operating range, -30 to +80 storage range

Chip Characteristics

- **Color Display:** ILI9225G chip supports 262,144 color display with γ correction function
- **Function Integration:** Integrates 528 channel source drivers and 220 channel gate drivers with 87,120 bytes of graphic RAM
- **Power Management:** Supports low-power operation with logic power supply voltage range of 1.6V to 3.3V
- **SPI Interface:** Requires minimal signal lines (SCK, MOSI, CS, RS, RST) reducing pin occupation
- **High Compatibility:** Built-in power management and level conversion circuit supports 3.3V or 5V logic levels

Applications

- **Embedded Systems:** Ideal for portable devices requiring graphical human-computer interaction interfaces
- **Industrial Control:** Used in control panels to display device status and operation instructions
- **Smart Home:** Serves as display interface for smart home terminals and control menus
- **Teaching Experiments:** Commonly used in university electronic information courses for hardware driver learning
- **Medical Instruments:** Applied to small medical devices like blood glucose meters and blood pressure monitors
- **Consumer Electronics:** Used in handheld game consoles, MP4 players, and electronic dictionaries

Frequently Asked Questions

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

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we will recommend suitable standard 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.

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

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

That's all right. We can change for you as per your request.

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

Yes, we can. Please send your drawing paper. If you don't have one, please advise 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).

5. What is the lead time for tooling?

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will report the exact time when you confirm the drawing paper.

6. Can you send us samples for checking?

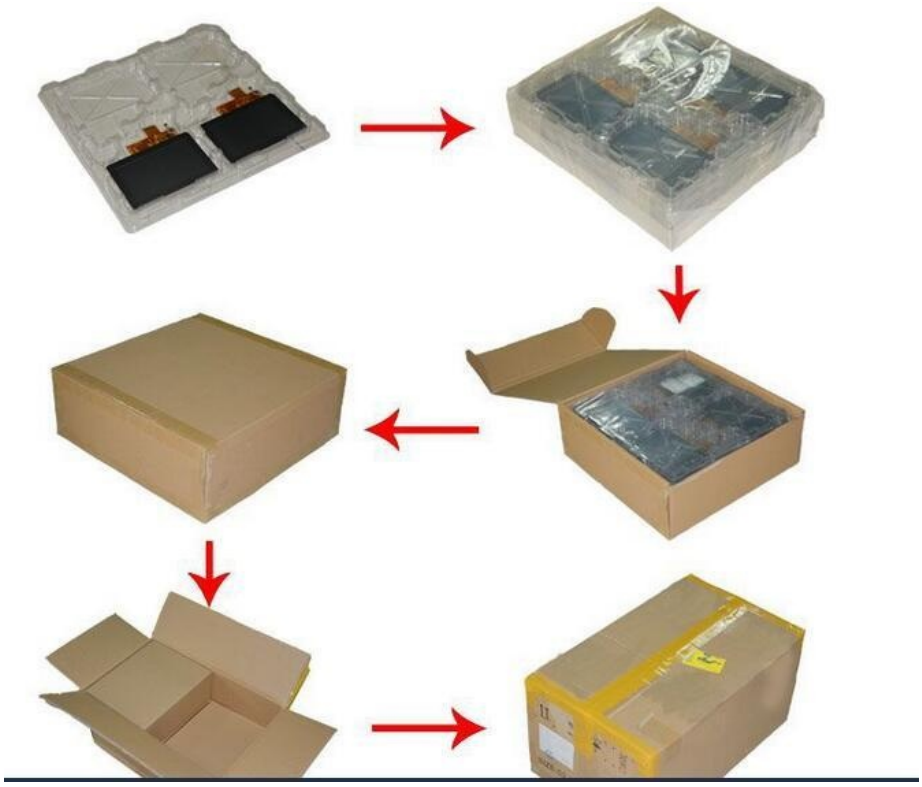
Yes. Sample orders are available.

7. What is the lead time?

If we have stock for standard products, lead time is one day after payment. For mass production of special orders, lead time is about 15-30 days. If we can finish earlier, we will report the information in advance.

Packaging & Shipping

Packaging: Carton boxes, cupboard, EPE, blister tray. Packaging method depends on product size and customer requirements. Different countries have different requirements.



Shipping: Express methods including DHL, Fedex, EMS, UPS, air shipping, sea shipping. Any shipping method you prefer.

	DHL	FedEx	UPS	EMS	TNT	SF
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
Notice	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 !					

Payment Method: Various payment options available.

HSBC	PayPal	WESTERN UNION	ESCROW

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