

2.2 Inch SPI Interface TFT LCD Display with 300 cd/m² Brightness and QCIF 176x220 Resolution

Our Product Introduction

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Basic Information



Product Specification

- Display Technology: TFT LCD
- Outline Size: 41.7×56.16×3.35 Mm
- Active Area Size: 34.85×43.56 Mm
- Touchscreen: Without Touch Screen (Optional)
- Fpc Connect: 14 Pins (can Be Customized)
- Brightness: 300 Cd/m²
- Operating Temperature: -20°C To 70°C
- Viewing Angle: 12:00



Product Description

2.2" Inch SPI TFT LCD Display ILI9225G QCIF 176x220 Touch Panel Screen

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Features

Product:	2.2 Inch TFT LCD Screen	Resolution:	176x220
Touch Screen:	Without Touch Screen (Optional)	Interface:	SPI
Cover Glass Dimension:	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

Product Overview

This is a 2.2-inch SPI interface TFT liquid crystal display, equipped with the ILI9225G driver chip. It has a resolution of QCIF 176×220 pixels and integrates a resistive touch screen. It is a small-sized full-color display solution for embedded systems.

Core Parameters

- Size: 2.2 inches (diagonal)
- Resolution: 176×220 pixels (QCIF specification)
- Driver chip: ILI9225G (supports 262K color display)
- Communication interface: SPI (3-wire / 4-wire), simplifies master control connection
- Touch screen: Integrated resistive touch panel, supports touch input
- Operating voltage: 3.3V (typical), low power design
- Brightness: Approximately 200-300 cd/m²
- Operating temperature: -20°C to +70°C, suitable for industrial and consumer applications
- Module size: Approximately 41.7×56.16×3.35 mm, effective display area 34.85×43.56 mm

Main Features

- Full-color display: 262K colors, vivid colors, high contrast, suitable for graphics and GUI interfaces
- SPI interface: Only requires a few signal lines to communicate with microcontrollers (such as Arduino, STM32), simple wiring
- Integrated touch: Resistive screen supports single-point touch, suitable for interaction scenarios such as menu selection and parameter adjustment
- Low power consumption: Suitable for battery-powered devices, extends battery life
- Wide temperature range and stability: Industrial-grade temperature range, strong anti-interference ability, suitable for embedded and industrial control

Main Applications

- Portable devices: Handheld detectors, smart home controllers, small medical devices (such as blood glucose meters)
- Embedded systems: Single-chip development boards, Arduino/STM32 projects, IoT terminals
- Consumer electronics: Children's learning machines, mini game consoles, MP4 players, smart bracelet prototypes
- Industrial control: Instruments, sensor terminals, equipment operation panels, security displays
- Vehicle and security: Rearview image auxiliary screens, door access indoor units, small monitoring displays

Product Drawing



Our Services

Free repair within one year after the shipment of products from us

Replacement within 30 days after the shipment of products from us due to products' problems

We can print your logo and stick your model No. on the cameras

We have long cooperation with many shipping companies and our export volume is large. The shipping companies can offer us good discounts

Professional technician supports. We have a good after-sales service team. They can solve your problems in time

All goods will be inspected and tested by our engineers and QC/QA before packing and shipment

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

Products pictures only for your reference. Please kindly refer to the specification. We can provide the products based on the specification, or you can offer your own specification or drawing. We can customize all kinds of LCD displays for you

FAQ

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

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.

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?

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

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

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?

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?

Yes. Samples order is available.

7. What is the Leading Time?

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.



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

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