

## 3.5 Inch TFT LCD Display with ILI9488 MCU Interface and 320x480 Resolution Capacitive Touch Panel

Our Product Introduction

### Basic Information



### Product Specification

- Backlight Technology: LED
- Connectivity: Plugging
- Interface: MCU&SPI
- Operating Temp: -20°C To +70°C
- Operating Voltage: 3.3V / 5V
- Surface Luminance: 300 Cd/m2(nits)
- Pin Number: 32 PIN
- Backlight Type: LED



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## Product Description

### 3.5 Inch With ILI9488 MCU Interface Capacitive Touch Panel TFT LCD Display

#### Product Overview

<b>Product:</b>	3.5" Inch TFT LCD Screen	<b>Touch Screen:</b>	With CTP
<b>Capacitive Touch:</b>	Standard And Custom Cover Glass Optional	<b>Resolution:</b>	320x480 Dots
<b>Viewing Direction:</b>	12:00	<b>Interface:</b>	MCU&SPI
<b>Pin Number:</b>	32 Pins	<b>Connection:</b>	Plugging (customizable)
<b>Surface Luminance:</b>	300cd/m2 (nits)	<b>LED Lifetime:</b>	40,000 Hours

#### Core Parameters & Features

**Screen size:** 3.5 inches

**Resolution:** 320×480 (HVGA), moderate pixel density, clear text and graphic display

**Driver chip:** ILI9488, mainstream TFT driver solution, supports RGB565 16-bit true color (65K colors), natural color reproduction

**Touch type:** Capacitive touch screen (commonly used GT911/FT6236 etc. touch IC), supports 1-5 point touch, sensitive response, smooth operation, supports click, sliding, zooming and other gestures

**Electrical interface:** Standard single-chip microcontroller (MCU) interface, commonly 4-wire SPI or 16-bit 8080 parallel interface, can be directly connected to mainstream MCUs such as STM32, Arduino, ESP32, 51, AVR, PIC

**Working voltage:** 3.3V~5V wide voltage compatibility, suitable for most development boards

**Backlight:** LED white light backlight, brightness about 300~350 cd/m<sup>2</sup>

**Additional functions:** Most module boards have built-in Micro SD card slot, can directly read and display BMP/JPG images

**Working temperature:** Industrial standard -20 ~ +70

#### Main Applications

**Industrial control and instrumentation** - Small HMI human-machine interface, industrial control panel, portable measuring instrument, sensor data display device, parameter debugging screen, monitoring of industrial control equipment status, fault prompt interface

**Smart home and Internet of Things (IoT)** - Touch operation panel for smart switches, thermostats, fresh air systems, environmental monitoring terminal (temperature and humidity, PM2.5, gases, etc.), local preview screen for access control, video intercom, security cameras

**Medical and health equipment** - Portable detection instruments: blood glucose meters, blood oxygen meters, electrocardiogram monitors, user interface and data display for small medical equipment

**Consumer electronics and vehicle equipment** - Early education machines, children's toys, simple game machines, vehicle navigation, rearview camera small screen, Bluetooth speakers, MP3/MP4 players, electronic photo frames

**Development & DIY projects** - Arduino/ESP32/STM32 development boards for display, interactive interface for intelligent cars, robots, customized clocks, weather stations, information boards



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### Frequently Asked Questions

#### 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?**

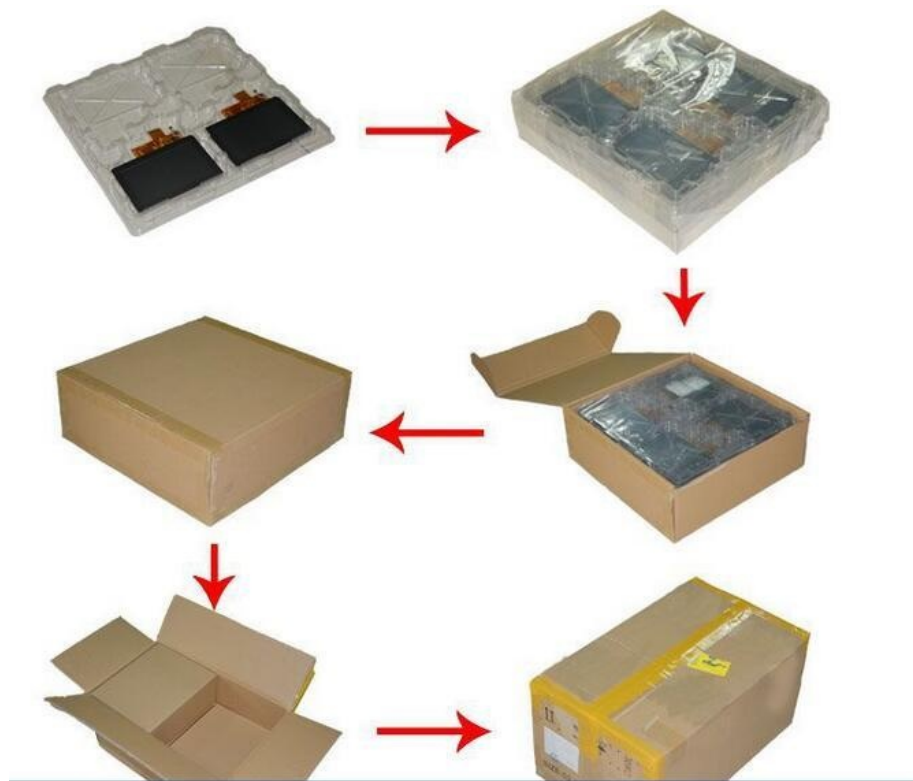
Yes. Samples order is available.

**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.

**Packaging & Shipping**

**Packaging:** Carton boxes, Cupboard, EPE, Blister Tray. About the package way, it is up to the size of products, according to customer request and demand. Different countries have not same requirement.



**Shipping:** Express way as DHL, Fedex, EMS, UPS, air shipping, sea shipping. Any shipping method you prefer.

						
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
<b>Notice</b>	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



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