

3.5 Inch TFT LCD Screen with 320x480 Resolution and ILITEK ILI9488 MCU Interface

Our Product Introduction

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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

- Touch Screen: Customized
- Backlight Technology: LED
- Display Size: 3.5 Inches
- Resolution: 320x480 Dots
- Display Technology: TFT LCD
- Storage Temperature: -30°C To 80°C
- Viewing Direction: All Viewing Angle(80/80/80/80)
- Luminance: 200 Cd/m2
- Highlight: **3.5 Inch TFT LCD Screen ,
320x480 Resolution LCD Display Module,
ILITEK ILI9488 MCU Interface TFT Display**



3.5 Inch TFT Portrait Type LCD Display With ILITEK ILI9488 MCU Interface

Product Specifications

Product	3.5" Inch TFT LCD Screen	Touch Screen	With Or Without Resistive Touch Panel
Capacitive Touch	Standard And Custom Cover Glass Optional	Resolution	320x480 Dots
Viewing Direction	12:00	Interface	MCU
Pin Number	32 Pins	Connection	Plugging (customizable)
Surface Luminance	200cd/m2 (nits)	LED Lifetime	40,000 Hours
Compliance	REACH & RoHS Compliant	Certification	ISO9001:2015 & ISO14001:2015

The 3.5-inch TFT vertical screen LCD display is a common display device featuring a diagonal length of 3.5 inches and vertical orientation, offering excellent portability and substantial display space.

Product Features

Display Performance: 320x480 resolution with 16.7M true color display, providing high color reproduction accuracy and clear, detailed image display suitable for general text and image requirements.

Interface Features: Utilizes ILITEK ILI9488 single-chip microcontroller interface supporting SPI, parallel interface, and 8/16-bit MCU interface modes for flexible connectivity with various microcontrollers.

Physical Characteristics: Compact size for easy integration into small devices, with impact and vibration resistance, wide operating temperature range (-30 to 80), and optional IP65/IP68 protection for harsh environments.

Working Principle: TFT (Thin Film Transistor) technology with independent pixel control for fast response to image signals, combined with ILITEK ILI9488 driver chip for precise display control.

Applications

Handheld Testing Instruments: Digital multimeters, oscilloscopes, signal analyzers with real-time data visualization and compact design for portable operation.

Portable Diagnostic Equipment: Medical devices including portable ultrasound systems and patient monitoring with immediate results display and durable construction.

Remote Control Units: Wireless handheld controllers for cranes, mining equipment, and large machinery with integrated camera feedback and instrument data monitoring.

Human-Machine Interface (HMI): Interactive interfaces for industrial automation, CNC machines, and robotics with compact panel installation.

Aircraft and Vehicle Displays: Integration into cockpits, instrument panels, and fleet vehicles for critical system monitoring with vibration and temperature resilience.



Frequently Asked Questions

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, provide samples and we'll recommend suitable products or customize based on your requirements.

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 requiring size or display content modifications, we need to create new tooling for a custom LCD glass module.

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

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

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

Yes, we can customize LCD modules. Please send your drawing paper or provide outline size, display information, glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, and drive conditions.

What is leading time for tooling?

Typically 15 to 25 days after drawing paper confirmation and tooling charge payment. We'll provide exact timing upon drawing confirmation.

Can you send us samples for checking?

Yes, sample orders are available.

What is the Leading Time?

Standard products in stock ship within one day after payment. Mass production for special orders typically takes 15-30 days. We'll notify you if we can complete earlier.



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