

1.54 Inch 240x240 Resolution TFT LCD Screen with SPI Interface Display Module

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Overall Dimensions: 40.3×40.3×4.37mm
- Colors: 262K
- Touch Screen: Without Capacitive Touch Screen(Optional)
- Va Size: 58.104 Mm * 103.296 Mm
- Lcd Type: TFT
- Pins Number: 24 Pins
- Panel Type: TFT
- Resolution: 240*240 Pixels
- Highlight: **1.54 inch TFT LCD screen, 240x240 resolution display module, SPI interface TFT screen**



Product Description

240x240 Square LCD Display TFT 1.54" Inch With Touch Screen

Product Specifications

Product:	1.54" TFT Screen	Resolution:	240x240
Viewing Direction:	Full Viewing Angle(80/80/80/80)	Touch Screen:	Without Capacitive Touch Screen (Optional)
Interface:	MCU (Customizable)	Pin Number:	24 Pins
Surface Luminance:	500 Cd/m ² (nits)	LED Lifetime:	40,000 Hours
Cover Glass:	Customizable	Compliance:	REACH & RoHS Compliant

Product Introduction

This 1.54-inch, 240×240-pixel square TFT LCD touch screen features an IPS full-view panel with SPI interface and capacitive touch technology. It offers an ultra-small, low-power, and highly integrated display and touch solution designed for miniaturization and embedded applications.

Core Display Features

Size and Shape: 1.54-inch square, approximately 40.3×40.3×4.37mm in size, active area 27.72×27.72mm, extremely compact

Resolution and Quality: 240×240 (RGB), approximately 194 PPI; IPS wide viewing angle up to 80° on all sides; 262K (18-bit) color depth; brightness 300-500 cd/m²; contrast ratio 800:1

Drivers and Interfaces: ST7789V/H2, ILI9340X drivers; SPI (4-wire), 3.3V level; compatible with STM32, ESP32 and other microcontrollers

Touch Capability: Capacitive touch (CTP), G+G structure; supports multi-touch (up to 5 points), I2C interface; surface hardness 6H; supports glove/wet operation

Electrical and Environmental: Power supply 3.2V, power consumption approximately 192mW; operating temperature -20 ~+70 ; storage temperature -30 ~+80

Main Applications

Smart wearable devices: Smart watches, bracelets, health monitoring rings

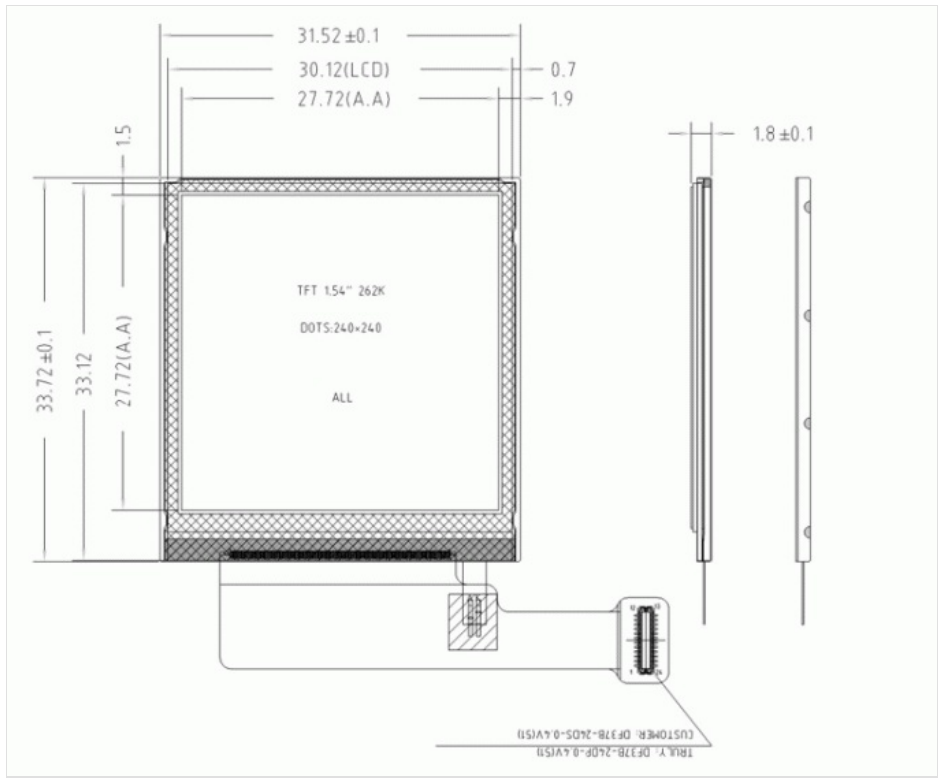
Miniature intelligent terminals: Keychain weather screens, electronic badges, mini game consoles

Smart home control: Smart switch panels, mini controllers, doorbell displays

Industrial and IoT: PLC micro-control panels, sensor data indicators, equipment status displays

DIY and development: Arduino/ESP32/STM32 projects, maker prototypes, teaching experiments

Product Drawings





Frequently Asked Questions

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

No problem. Please send us your specification or drawing. If you don't have specifications, you can 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, modifying outline size or display content requires a new LCD glass module and tooling.

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

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

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

Yes, we can. Please send your drawing or provide outline size, display information (glass thickness, polarizer, display type, connector mode, storage/operating temperature, supply voltage, viewing direction, drive condition).

What is leading time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling charge payment. Exact timing will be confirmed upon drawing approval.

Can you send us samples for checking?

Yes, sample orders are available.

What is the Leading Time?

Standard products in stock: 1 day after payment. Mass production for special orders: 15-30 days. We'll notify you if we can finish earlier.

Our Service

- Free repair within one year after shipment
- Replacement within 30 days for product problems
- Custom logo printing and model number labeling
- Competitive shipping rates through established partnerships
- Professional technical support and responsive after-sales service
- Comprehensive quality inspection and testing before shipment
- 24-hour response time for customer inquiries
- Full customization services for all types of LCD displays

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