

1.3 Inch 240x240 Resolution IPS TFT LCD Display with Free Viewing Angle and SPI Interface

Our Product Introduction

for more products please visit us on lcdtftscreen.com

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

- Interface Types: SPI
- Backlight Technology: LED
- Outline Dimension: 21.16x29.22x1.9 Mm
- Connectivity: FPC Connector Type
- Pin Number: 13 PIN
- Resolution: 240*240 Pixels
- Lcd Type: IPS
- Screentype: LCD TFT
- Highlight: **240x240 Resolution TFT LCD Display, Free Viewing Angle IPS TFT Screen, SPI Interface LCD Display Module**



Product Description

1.3" Inch 240x240 Square Type Free Viewing Angle Small IPS TFT LCD Display

A compact full-color square screen featuring IPS technology for true free viewing angles, ideal for embedded and portable devices.

Technical Specifications

| | | | |
|--------------------------|----------------------------------|------------------------------|--|
| Product | 1.3" Inch Square TFT LCD | Touch Screen | Without Touch Screen (optional for new design) |
| Resolution | 240x240 Dots | Cover Glass Dimension | Customizable |
| Viewing Direction | Free Viewing Angle (80/80/80/80) | Interface | SPI |
| Pin Number | 13 Pins | Connection | FPC Connector Type |
| Surface Luminance | 200 Cd/m ² (nits) | LED Lifetime | 40,000 Hours |

Product Overview

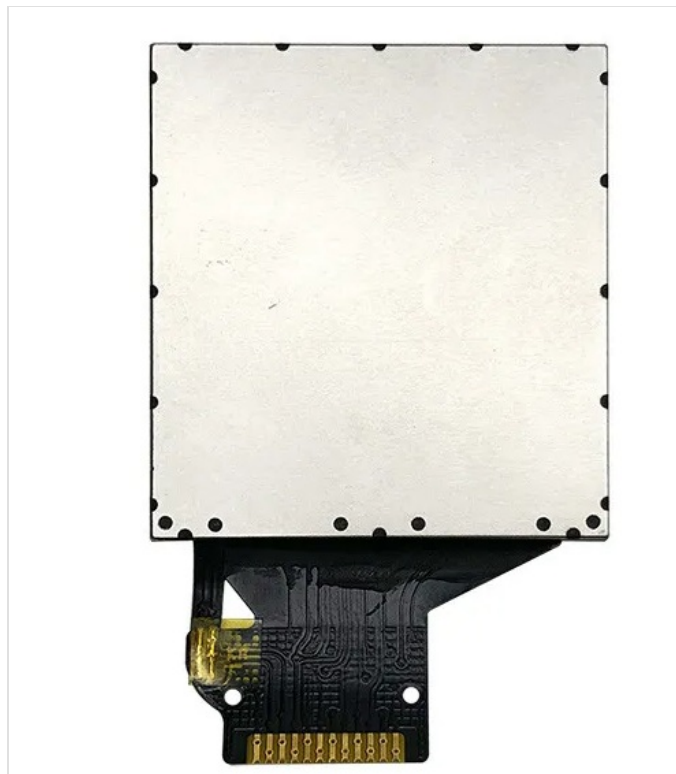
This small full-color square screen utilizes IPS (planar conversion) technology to achieve true free full-viewing with approximately 80° viewing angles in all directions without color shift or brightness attenuation. The 240×240 square pixel arrangement provides high pixel density and detailed picture quality with an effective display area of 23.4×23.4mm.

Key Features

- Mainstream driver IC ST7789 (H2/V2) with standard 4-wire SPI high-speed interface
- Optional MCU/8-bit parallel or RGB interface configurations available
- 3.3V power supply with some models supporting 2.8V low voltage operation
- Ultra-thin module thickness between 1.5-2.3mm
- Supports 262K full-color display capability
- Regular brightness of 350 cd/m² with outdoor enhanced types reaching 500 cd/m²
- High contrast ratio of approximately 800:1 with fast response speed
- Wide working temperature range (-20 to 70)
- High ESD protection level
- Compatible with Arduino, STM32, Raspberry Pi and other mainstream development boards
- Optional resistive/capacitive touch screen for expanded interaction functions

Typical Applications

- Smart wearable devices: smart watches, bracelets, fitness monitors
- Portable instruments: temperature/humidity/gas detectors, multimeters, tire pressure monitors
- Maker and open-source hardware: Raspberry Pi/Arduino visualization panels
- Industrial and medical equipment: PLCs, portable monitors, injection pumps
- Internet of Things and smart home: gateways, smart switches, appliance displays
- Consumer electronics: TWS earphone casings, Bluetooth speakers, power banks



Frequently Asked Questions

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

Yes, please send us your specifications 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 what we want, but it's too big. Do you have smaller sizes? The display content needs minor changes.

For segment type LCD modules, modifying outline size or display content requires a new LCD glass module with new tooling.

This LCD display is HTN type, but I want STN type. Can you make it?

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

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

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

What is the lead time for tooling?

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

Can you send samples for checking?

Yes, sample orders are available.

What is the lead time?

For standard products in stock: 1 day after payment. For mass production of special products: approximately 15-30 days. We'll notify you if we can finish earlier.



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdtftscreen.com

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