

2.8 Inch 240x320 IPS Small LCD Display with 15 Pin SPI Interface and 43.20x57.60mm Display Area

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH

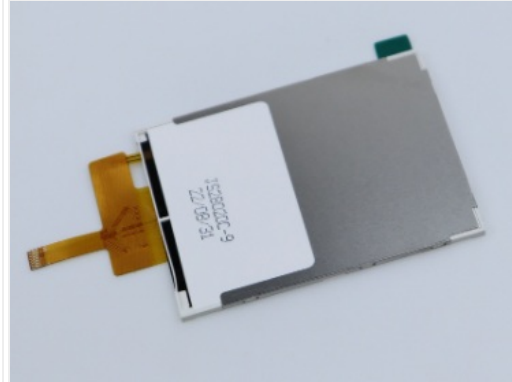


Product Specification

- Interface: 4wire SPI
- Display Mode: Normally Black
- Outline Dimension: 50.00x69.20x2.30mm
- Driver Lc: ST7789V
- Screen Size: 2.8"
- Lcd Type: TFT
- Fpc: 15pin
- Active Screen Size: 43.20(H)x57.60(V)
- Highlight: **15 Pin SPI Interface Small LCD Display , 43.20x57.60mm Display Area TFT LCD Screen , IPS Technology IPS LCD Panel**



2.8" 15 Pin 240x320 IPS Small LCD Touch Display Panel All View Angle



Product Overview

2.8-inch 15-pin 240x320 IPS small LCD touch display panel is a high-quality display screen designed for small electronic devices requiring excellent visibility and touch functionality.

Key Features

- **IPS Technology:** Full viewing angle with consistent color and clarity from all directions
- **High Resolution:** 240x320 pixel resolution for sharp image and text display
- **Multiple Interfaces:** Supports SPI, MCU, and RGB interfaces for flexible connectivity
- **Touch Function:** Capacitive touch screen with fast response and smooth operation
- **Wide Temperature Range:** Operates from -20°C to 70°C, suitable for various environments
- **High Brightness:** 300cd/m² standard brightness with high-brightness options available

2.8-inch 240x320 IPS Small LCD Display is a display device with superior performance. Here is a detailed introduction about it:

Product Introduction:

The screen size of this display is 2.8 inches, with a resolution of 240x320 pixels. It can clearly display text, images, and other information. It adopts IPS (In-Plane Switching, plane switching) technology, featuring a full-view characteristic, meaning that from any angle viewing the screen, the brightness and color performance remain relatively consistent. The color reproduction is accurate, without flickering, and it can present rich, vivid, and realistic colors. The 15-pin SPI (Serial Peripheral Interface, serial peripheral interface) provides it with a high-speed and efficient serial communication method, facilitating connection with microcontrollers and other devices. With only a few pins, data transmission can be achieved, reducing the complexity of wiring and improving the stability and reliability of the system.

Product features:

Generally have low power consumption, with the operating voltage typically around 3.3V, suitable for devices powered by batteries. The brightness is usually around 300cd/m², capable of providing clear display effects in various environments such as indoors and outdoors. The driving chips mostly adopt ST7789V and other types, which can support 262-color display.

Applications:

Industrial control: Can be used in industrial automation equipment, instruments and meters, etc., to display information such as equipment operation status and parameter settings. The full-view and clear display is helpful for operators to accurately read information under different angles and lighting conditions.

Smart home: Suitable for control panels of smart locks, smart appliances, etc., used to display operation menus, equipment status, etc. The IPS full-view technology makes it convenient for users to operate and view from different positions.

Consumer electronics: Some small electronic devices such as MP3 players, electronic dictionaries, portable game consoles, etc., with a 2.8-inch screen size are suitable. Combined with TFT-IPS technology, it can provide a better visual experience.

Technical Specifications

Parameter	Specification	Unit
Screen Size	2.8 inch	Diagonal
Resolution	240RGB(H) × 320(V)	Pixels
Display Area	43.20(H) × 57.60(V)	mm
Pixel Pitch	0.180(H) × 0.180(V)	mm
Outline Dimension	50.00 × 69.20 × 2.30	mm
Display Mode	Normally Black	--
Viewing Direction	ALL	--
Display Color	262K	--
Brightness	300	nit
Contrast Ratio	1200:1	--
Interface	4-wire SPI	--
Driver IC	ST7789V	--
Operating Temperature	-20 ~ 70	
Storage Temperature	-30 ~ 80	

Our Services

1. Free repair within one year after shipment
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8. Custom LCD display solutions based on your specifications



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