

4.3 Inch 800X480 Resolution ST7282 Drive IC Full View TFT LCD Module Display Screen

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: IDO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.74-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Display Technology: LCD
- Pins Number: 40 Pins
- Brightness: 200cd/m2 - 1000cd/m2
- Driver Ic: ST7282
- Cover Glass Dimension: Customizable
- Operating Temperature: -30 To +80
- Light Source: White LED*6
- Outline Size: 105.5x67.2x4.52 Mm



Product Description

4.3 Inch RGB 800X480 ST7282 Drive IC Full View TFT LCD Module

This 4.3-inch IPS full-view TFT liquid crystal module features a resolution of 800×480 (16:9 wide screen). Equipped with the ST7282 driver IC and utilizing RGB high-speed parallel interface, it offers optional resistive or capacitive touch screens, making it a mainstream high-definition display solution for embedded and industrial applications.

Product Specifications

Product	4.3" Inch IPS TFT LCD
Resolution	800x480 Dots
Interface	RGB
Operating Temperature	-30 To +80
Storage Temperature	-35 To +85
Viewing Direction	Free(80/80/80/80)
Touch Screen	Capacitive Touch Panel Optional
Driver IC	ST7282
Pin Number	40 PINS
Outline Dimension	105.5x67.2x4.52 Mm
Connection	FPC Plugging Type
Surface Luminance	200cd/m ² - 1000cd/m ²

Display Characteristics

Panel: IPS full-view with viewing angles of 80° each for up, down, left, and right. Excellent color and brightness consistency.

Resolution: 800×480, 24-bit RGB supporting 16.7M colors with fine image quality.

Brightness: Typical 350-800 cd/m², optional high brightness (1000 cd/m²) suitable for outdoor strong light environments.

Contrast Ratio: Typical 800:1 with WLED backlight and approximately 40,000 hours lifespan.

Core Configuration

Driver IC: ST7282 integrating controller and driver, supports RGB 24-bit parallel transmission, compatible with STM32, FPGA, etc.

Interface: RGB 40PIN FPC, 3.0-3.6V power supply (typical 3.3V) with simple timing and strong compatibility.

Touch: Optional resistive (RTP) or capacitive (CTP, supporting multi-touch) for different control requirements.

Structure and Environment

Size: 105.5×67.2×4.52 mm with display area 93.6×56.16 mm, lightweight and compact.

Operating Temperature: -30 to +80 industrial-grade wide temperature range suitable for harsh conditions.

Surface: Anti-glare / ordinary panel options available with hardness up to 6H, scratch-resistant and wear-resistant.

Main Applications

Industrial Control: PLC human-machine interface, embedded industrial control computers, equipment control panels for displaying operating status, parameter settings, and graphic interaction.

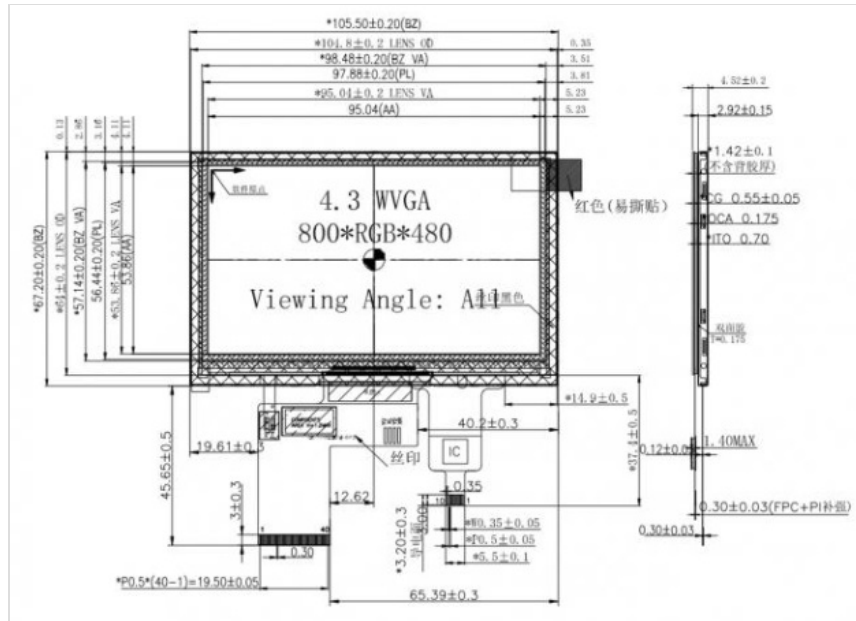
Smart Home: Smart control panels, visible doorbells, coffee machines, microwave ovens, smart thermostats providing high-definition interactive interfaces.

Medical Equipment: Portable monitors, blood glucose meters, medical analyzers meeting low-power and high-stability requirements for data display and operation interaction.

Vehicle and Outdoor: Reverse camera, electric vehicle dashboard, shared device terminals with wide viewing angle suitable for multi-angle viewing.

Embedded Development: STM32/FPGA prototype development, DIY projects, POS terminals, scanners with easy-to-drive RGB interface and rich data.

Product Drawing





Frequently Asked Questions

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

No problem. Please send us your specification or drawing paper. If you don't have specifications, you can provide samples and we will 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 needs to be changed a little.

For segment type LCD modules, if you need to modify the outline size or display content, a new LCD glass module is required. We will need to create new tooling for you.

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

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

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

Yes, we can. Please send your drawing paper. If you don't have one, please provide the outline size of the LCD display, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive condition), and we can customize for you.

What is the lead time for tooling?

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will provide the exact timeline when you confirm the drawing paper.

Can you send us samples for checking?

Yes, sample orders are available.

What is the lead time?

If we have stock for standard products, the lead time is one day after payment. For mass production of special products, the lead time is about 15-30 days. If we can finish earlier, we will inform you in advance.



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