

2.29 Inch TFT IPS Display with 8bits RGB Interface and 750 cd/m² Brightness for Industrial Touch Screen Applications

Our Product Introduction

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Basic Information

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



Product Specification

- Outline Size: 31.52x34.72x1.51 Mm
- Screen Type: LCD TFT
- Fpc Connect: 50 Pins
- Touchscreen: Optional Resistive Or Capacitive
- Resolution: 344x476
- Interface: RGB 8bits (Customizable)
- Size: 2.29 Inch
- Brightness: 750 Cd/m²
- Highlight: **2.29 inch TFT IPS Display, 8bits RGB Interface LCD TFT Screen, 750 cd/m² Brightness Industrial Touch Screen Display**



NO	SYMBOL	FUNCTION
1	LEDK	LED Cathode
2	VDD	Power Supply for Analog, VDD=2.5V~3.3V.
3	LEDK	LED Cathode
4	TP_VDD	Power Supply for Analog, TP_VDD=2.5V~3.3V.
5	LEDA	LED Anode
6	GND	Power Ground
7	LEDA	LED Anode
8	GND	Power Ground
9	SDO	SPI interface data output pin. If no used, let this pin open.
10	SCL	This pin is used to be 4-line serial interface clock.
11	TP_INT	Interrupt signal to main processor of Touch Panel; If no used, let this pin open.
12	SDA	SPI interface data input pin.
13	TP_SDA	I ² C data signal of Touch Panel; If no used, let this pin open.
14	GND	Power Ground
15	NC	No Connect
16	TP_SCL	I ² C clock signal of Touch Panel; If no used, let this pin open.
17	CS	Chip selection pin; Low enable, High disable.
18-19	GND	Power Ground
20	NC	No Connect
21	HSYNC	Horizontal signal input
22	DB7	RGB data bus
23	VSYNC	Vertical signal input
24	DE	Data enable signal for RGB interface operation
25	GND	Power Ground
26-27	NC	No Connect
28	DB2	RGB data bus
29	NC	No Connect
30	DB3	RGB data bus

Product Overview

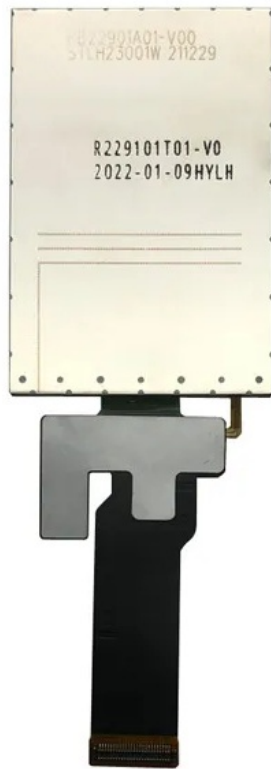
This compact high-quality touch display module is designed for industrial and embedded applications, utilizing IPS (In-Plane Switching) liquid crystal technology with an 8-bit RGB parallel interface. The display features a standard resolution of 344×476 pixels, capable of displaying 262K true colors with constant black mode and transmissive design.

Key Features

- High-brightness LED backlight (700-750 cd/m², customizable to 1000 cd/m²)
- Anti-glare/maintenance coating for outdoor and industrial environments
- Fast 8-bit RGB parallel interface for smooth dynamic graphics
- Industrial-grade operating temperature range: -20°C to 70°C
- Strong electromagnetic interference resistance
- Optional resistive (gloved operation) or capacitive (multi-touch) touch solutions
- Ultra-thin profile at 1.51mm thickness
- IPS technology provides 178° viewing angles with minimal color shift
- Compatible with STM32, NXP, and Renesas industrial-grade MCUs

Typical Applications

- Industrial control and instrumentation: PLCs, temperature/pressure controllers, frequency converters
- Medical portable devices: Handheld monitors, blood oxygen meters, blood glucose meters
- Internet of Things and smart home terminals: Gateways, environmental monitoring, control panels
- Vehicle-mounted and outdoor electronics: Small displays, tire pressure monitors, handheld terminals
- Embedded development and industrial maker projects



Frequently Asked Questions

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

Yes, we can accommodate custom specifications. Please provide your detailed specifications or drawing. If you don't have specifications, you can send samples and we'll recommend suitable options 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 also needs minor changes.

For segment type LCD modules requiring outline size modifications or display content changes, 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 this change?

Yes, we can modify the display type according to your requirements.

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

Yes, we specialize in custom LCD modules. Please provide your drawing or specify the outline size, display information (glass thickness, polarizer, display type, connector mode, storage/operating temperature, supply voltage, viewing direction, 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 once the drawing is confirmed.

Can you send samples for evaluation?

Yes, sample orders are available for testing and evaluation.

What is the lead time for production?

For standard products in stock, lead time is one day after payment. For mass production of custom orders, lead time is approximately 15-30 days. We'll notify you if we can complete earlier.



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