

High Brightness 1000nit 15.6 Inch FHD TFT LCD Display Screen with 30-pin EDP Interface

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH

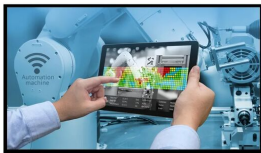


Product Specification

- Interface: 30-pin EDP Interface
- Screen Size: 15.6 Inches
- Colors: 16.7 M
- Light Source: White LED*6 (Customizable)
- Product Type: TFT LCD Screen
- Pixel Pitch: 0.17925 (H) X 0.17925 (V)
- Backlight Type: LED
- Transmissive Mode: Normally Black
- Highlight: **1000nit Brightness TFT LCD Display ,
15.6 inch Screen Size TFT LCD Screen ,
FHD Resolution LCD Display Module**



More Images



Product Description

High Brightness 15.6" FHD 1000nit TFT LCD Display

This industrial-grade 15.6-inch TFT LCD display delivers exceptional performance with 1000nit ultra-high brightness and full HD resolution, designed for demanding environments where visibility and reliability are critical.

Basic Parameters

Item	Specification	Unit
Screen Size	15.6" diagonal	
Driver Element	a-si TFT active matrix	-
Pixel Number	1920 x R.G.B. x 1080	pixel
Pixel Pitch	0.17925 (H) x 0.17925 (V)	mm
Pixel Arrangement	RGB vertical stripe	-
Display Colors	16.7 m	color
Transmissive Mode	Normally Black	-
Surface Treatment	Hard coating (3H), Anti-Glare	-
Power Consumption	Cell 0.891W(Max.)	-
Operating Temperature	-20°C to +70°C	°C
Storage Temperature	-30°C to +80°C	°C

Interface Pin Definition

Pin	Symbol	Description
1	NC	No Connection (Reserved for LCD test)
2	H_GND	High Speed Ground
3	ML1-	Complement Signal-Lane 1
4	ML1+	True Signal-Main Lane 1
5	H_GND	High Speed Ground
6	ML0-	Complement Signal-Lane 0
7	ML0+	True Signal-Main Lane 0
8	H_GND	High Speed Ground
9	AUX+	True Signal-Auxiliary Channel
10	AUX-	Complement Signal-Auxiliary Channel
11	H_GND	High Speed Ground
12	VCCS	Power Supply +3.3V(typical)
13	VCCS	Power Supply +3.3V(typical)
14	NC	No Connection (Reserved for LCD test)
15	GND	Ground
16	GND	Ground
17	HPD	Hot Plug Detect
18	BL_GND	BL Ground
19	BL_GND	BL Ground

20	BL_GND	BL Ground
21	BL_GND	BL Ground
22	LED_EN	BL_Enable Signal of LED Converter
23	LED_PWM	PWM Dimming Control Signal of LED Converter
24	NC	No Connection (Reserved for LCD test)
25	NC	No Connection (Reserved for LCD test)
26	LED_VCCS	BL Power
27	LED_VCCS	BL Power
28	LED_VCCS	BL Power
29	LED_VCCS	BL Power
30	NC	No Connection (Reserved for LCD test)

Product Core Features

- 15.6-inch industrial-grade TFT display with 16:9 widescreen ratio
- 1920×1080 Full HD resolution for detailed text and video clarity
- 1000nit ultra-high brightness with anti-glare matte surface treatment
- Excellent readability in outdoor direct sunlight and strong light environments
- Wide operating temperature range (-20°C to +70°C typical)
- Vibration and impact resistant with IP protection (front panel IP65 dust/water resistance)
- Long-life WLED backlight (over 50,000 hours)
- Multiple industrial standard interfaces (LVDS/eDP)
- Optional capacitive multi-touch functionality with glove operation support

Main Application Scenarios

- Industrial Automation & HMI:** Production line control, PLC cabinets, CNC machine interfaces displaying real-time parameters and monitoring screens
- Outdoor Transportation & Energy:** High-speed toll stations, charging piles, port cranes, outdoor monitoring equipment
- Medical Equipment:** Operating room monitors, mobile emergency vehicles, outdoor health examination vehicles
- Special Vehicles & Construction:** Excavators, bulldozers, fire command vehicles for navigation and operational data display





Frequently Asked Questions

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

No problem. 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 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 with new tooling.

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

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

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

Yes, we can customize. 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 conditions).

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?

For standard products in stock: 1 day after payment. For mass production of special orders: approximately 15-30 days. We will notify you if we

can complete earlier.



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