

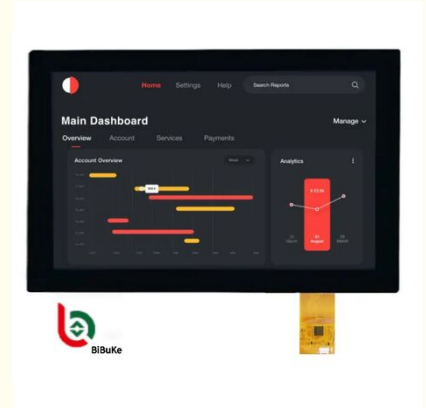
15.6 Inch 1000Nits High Brightness IPS TFT LCD Display with EDP Interface

Our Product Introduction

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Basic Information

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



Product Specification

- Outline Size: 382.4 X 231.3 X 9.10mm (with Touch)
- Storage Temperature: -20 To +60
- Touch Screen: CTP (Capacitive Touch Screen)
- Viewing Angle: IPS Full Viewing Angles
- Ctp Interface: USB
- Display Color: 167M
- Display Technology: LCD
- Display Size: 15.6 Inches
- Highlight: **1000Nits High Brightness TFT LCD Display ,
15.6 Inch IPS TFT Screen ,
EDP Interface LCD Display Module**



Product Description

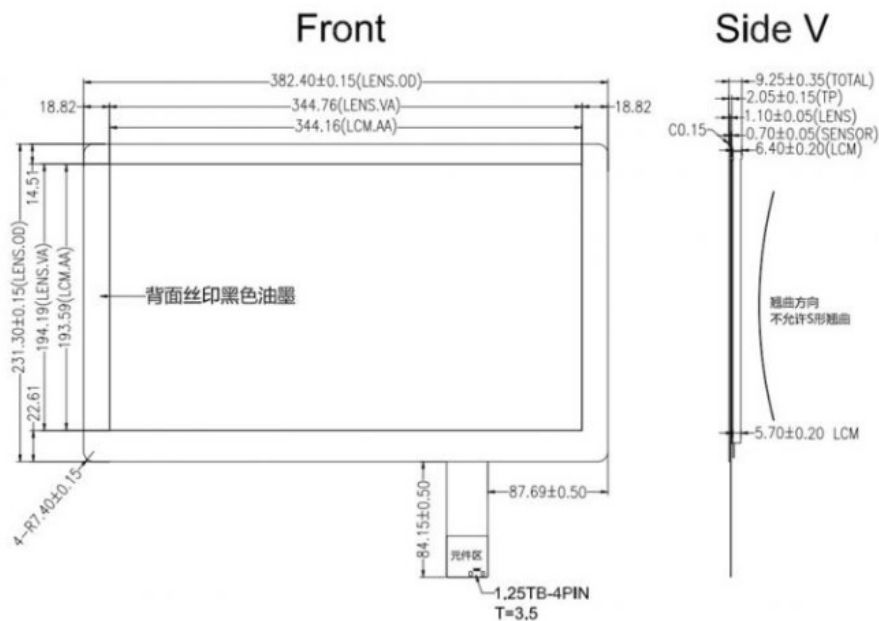
15.6 Inch High Brightness 1000Nits EDP Interface IPS TFT LCD Display

This industrial-grade 15.6-inch display module delivers exceptional performance with 1000nits high brightness and Full HD resolution, designed for demanding outdoor and industrial applications.

Mechanical Specifications

Parameter	Specification	Unit
Display size	15.6" (Diagonal)	inch
Active area	344.16(H) × 193.59(V)	mm
Pixel Format	1920(H) × 1080(V)	pixel
Pixel pitch	0.17925(H) × 0.17925(V)	mm
Pixel configuration	R, G, B vertical stripe	
Display mode	Normally black	
Display scheme	IPS	
Power Consumption	TBD	W
Surface treatment of front polarizer	Anti-glare coating: (3H)	

External Dimensions



Interface Pin Definition

Pin No.	Symbol	I/O	Function
1	NC	-	Reserved for CD
2	H_GND	P	High Speed ground
3	Lane1_N	I	Complement Signal Link Lane 1
4	Lane1_P	I	True Signal Link Lane 1
5	H_GND	P	High Speed ground
6	Lane0_N	I	Complement Signal Link Lane 0
7	Lane0_P	I	True Signal Link Lane 0

8	H_GND	P	High Speed ground
9	AUX_CH_P	I	True Signal Auxiliary Channel
10	AUX_CH_N	I	Complement Signal Auxiliary Channel
11	H_GND	P	High Speed ground
12	LCD_VDD	P	LCD logic and driver power(3.3V)
13	LCD_VDD	P	LCD logic and driver power(3.3V)
14	NC	I	Reserved for LCD manufacturer's use
15	LCD_GND	P	LCD logic and driver ground
16	LCD_GND	P	LCD logic and driver ground
17	HPD	O	HPD signal pin
18-21	LED-1 to LED-4	P	NC
22	BL ENABLE	I	NC
23	BL PWM DIM	I	NC
24-25	NC	-	Reserved for LCD manufacturer's use
26-29	BL PWR	P	NC
30	NC	-	Reserved for LCD manufacturer's use

Product Core Features

This 15.6-inch display module is engineered for professional industrial and outdoor environments. Featuring Full HD 1920×1080 resolution with IPS panel technology, it provides 178° full viewing angle with minimal color deviation or brightness attenuation. The 1000nits ultra-high brightness significantly exceeds standard displays (300-500nits), ensuring clear visibility even under direct sunlight.

The EDP (Embedded DisplayPort) interface offers faster transmission rates, superior anti-interference capability, and lower signal delay for stable high-definition image output. TFT technology ensures fast pixel response speed and eliminates screen flicker. Industrial-grade models typically support wide temperature operation (-20 to +70) and can be customized with capacitive touch layers for harsh environment applications.

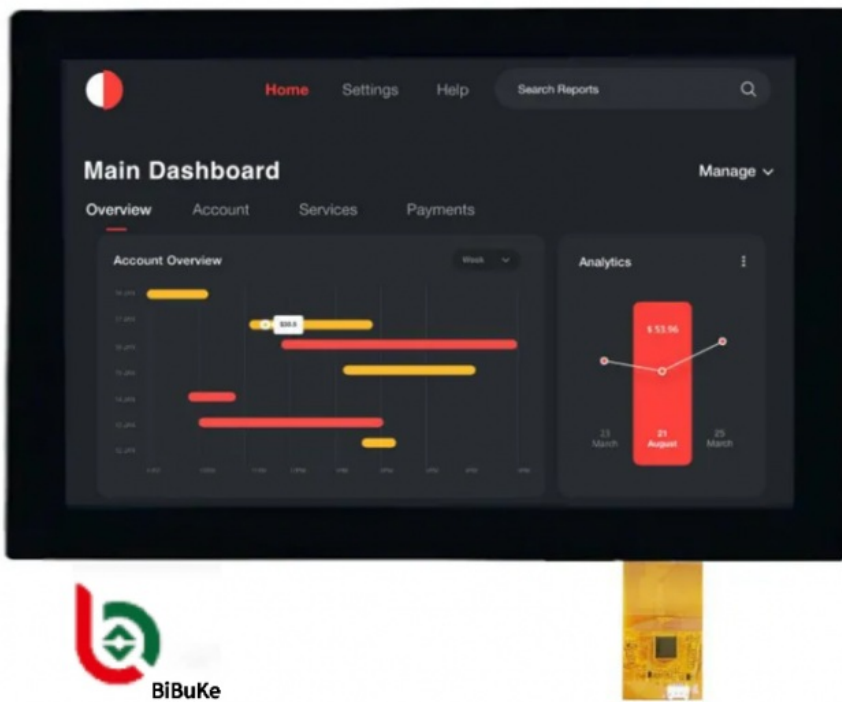
Core Application Scenarios

Outdoor Commercial & Vehicle Display: Outdoor advertising machines, bus/truck/construction vehicle central control screens, toll station information terminals. Maintains clarity in strong light conditions.

Industrial Automation & HMI: PLC control cabinets, robot operation panels, warehousing and logistics terminal devices. Stable performance in industrial environments with dust and temperature variations.

Medical Equipment: Ultrasound diagnostic machines, portable monitors, bedside terminals in operating rooms. IPS color accuracy and high brightness meet medical imaging requirements.

Special & Portable Equipment: Marine navigation displays, military portable terminals, field exploration instruments. Suitable for extreme conditions including sea glare and wild temperature variations.



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, provide samples and we'll recommend suitable standard 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 requiring size or display content modifications, new LCD glass modules are needed. We can create new tooling for you.

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'll provide updates if we can finish earlier.



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