

2.1 Inch 450nits MIPI Interface Round TFT LCD Display for Smart Devices and Industrial Applications

Our Product Introduction

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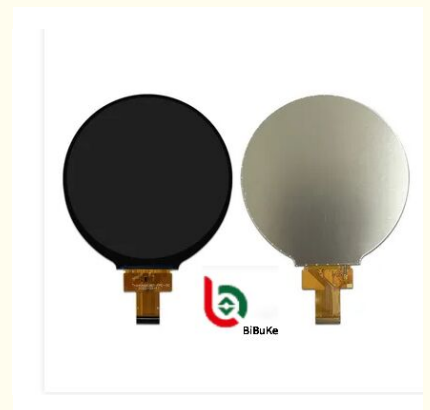
Basic Information

- 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

- Touch Type: With/without RTP/CTP
- Working Temperature: -20 ~70
- Touch Screen: Customized
- Connector: 14pin Socket FPC
- Type: IPS
- Lcd Size: 2.1 Inch(Diameter)
- Display Type: TFT LCD
- Lcm Interface: MIPI
- Highlight: **2.1 Inch Round TFT LCD Display, 450nits Round TFT LCD Display, MIPI Interface Round Display**



Product Description

2.1 Inch Circular LCD Display 450nits Round TFT LCD Display

This 2.1-inch circular TFT LCD display offers exceptional performance with 450 nits brightness and MIPI interface, making it ideal for various industrial and smart device applications.

Technical Specifications

Product	2.1 Inch Round TFT Display	Touch Screen	Without Touch (with CTP Optional)
Resolution	480×480 Dots	Cover Glass Dimension	Customizable
Viewing Direction	IPS (All Viewing Angle)	Interface	MIPI
Pin Number	30 Pins	Outline Dimension	56.18×59.71×2.2mm
LCM Driver IC	ST7701S	Surface Luminance	450 Cd/m ² (nits)
LED Lifetime	30,000 Hours	Compliance	CE, FCC & RoHS Compliant

Product Overview

This cost-effective 2.1-inch circular LCD display features a unique round shape that provides excellent spatial adaptability for compact devices. With 450 nits brightness, it delivers clear and vibrant display performance in various lighting conditions. The MIPI interface ensures high-speed data transmission for smooth image rendering and broad processor compatibility. The 480×480 resolution offers high pixel density for detailed text, icons, and graphics display. IPS technology maintains consistent color and contrast across all viewing angles.

Applications

Smart Wearable Devices: Ideal for smart watches displaying time, heart rate, blood oxygen levels, and message notifications

Medical Equipment: Used in portable monitors for real-time vital sign parameters including ECG and SpO₂

Automotive Electronics: Suitable as vehicle rotary screens for controlling air conditioning, seats, and other functions

Industrial Control: Perfect for intelligent rotary switches supporting multi-level menu navigation and parameter adjustment

Smart Home: Applications include smart temperature control knobs, door lock interfaces, and environmental parameter displays



Frequently Asked Questions

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

Yes, we can accommodate your requirements. Please provide your specifications or drawings. If you don't have specifications, you can send samples and we'll recommend suitable options or customize according to your needs.

This LCD is what we want, but it's too large. Do you have smaller sizes? We also need minor display content modifications.

For segment type LCD modules requiring size reduction or display content changes, we'll need to create new LCD glass modules with custom tooling.

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 specifications.

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

Absolutely. Please provide your drawings or specifications including outline size, glass thickness, polarizer type, display type, connector mode, temperature specifications, voltage requirements, and viewing direction.

What is the lead time for tooling?

Typically 15-25 days after drawing confirmation and tooling payment. We'll provide exact timelines upon drawing approval.

Can you send samples for evaluation?

Yes, sample orders are available for your testing and verification.

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 production earlier.



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