

Customized Size 7 Segment LCD Display with Transmissive LCD and White LED Backlight

Our Product Introduction

for more products please visit us on lcdftfscreen.com

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

- Outline Size: Customized
- Display Technology: LCD
- Backlight Technology: LED
- Outline Size: Customized
- Connectivity: Pin , Zebra Or FPC
- Backlight Type: LED
- Light Source: White LED*6
- Operating Temperature: -10°C To 60°C
- Highlight: Customized Size 7 Segment LCD Display , Transmissive LCD Display , White LED Backlight LCD Screen



Product Description

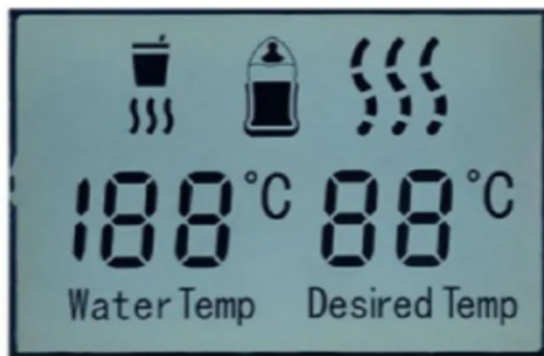
7 Segment Display Reflective LCD Screen & Custom Transmissive LCD Display

Product Specifications

Type	TN LCD Display
Backlight Color	White, Blue or Red
Voltage	2.8~5.0V
Connector	Pin, Zebra or FPC
Driving Method	1/4 Duty, 1/3 Bias
Polarizer Type	Transmissive

Technical Parameters

Item	Content	Description
1	LCD Type	TN LCD Display
2	Outline Size	Customized
3	VA Size	Custom
4	Viewing Direction	12 O'clock
5	Voltage	2.8V ~5.0V
6	Display Mode	Positive
7	Backlight	With or without
8	Operation Temp	-10°C TO +20°C
9	Storage Temp	-20°C TO +70°C
10	Contactor	Pin, Zebra or FPC



Reflective Liquid Crystal Display (RLCD)

Product Introduction

Reflective LCD technology features a core structure consisting of a bottom reflective layer, transparent electrodes, and a liquid crystal layer. Unlike traditional LCDs, it operates without a backlight by reflecting ambient light and controlling liquid crystal molecule orientation through an electric field to modulate light and form images. Available in passive and active types, passive RLCDs rely solely on ambient light with reduced performance in low-light conditions, while active types incorporate a top light source for better low-light visibility, though brightness uniformity can be challenging. Key advantages include exceptional eye protection and ultra-low power consumption, simulating a paper-like reading experience that reduces eye fatigue. The absence of a backlight results in significantly lower power consumption compared to traditional LCDs. Display clarity improves under stronger ambient light, though initial color gamut performance may be limited. Recent technological optimizations have enabled full-color display capabilities.

Main Applications

RLCD technology is primarily deployed in applications requiring eye protection, low power consumption, or outdoor visibility. In smart education, it powers educational tablets and e-readers like the Hisense Q5 tablet with BOE displays. Public display applications include bus electronic signs and outdoor advertising boards, ensuring clear information visibility even in direct sunlight. Automotive and wearable sectors utilize RLCDs for vehicle HUD systems and ultra-long standby smart watches, leveraging their wide temperature operating range and minimal power requirements. Specialized applications extend to Boeing 787 cockpit instruments, where stable display performance is critical in demanding operational environments.

Customized Transmissive Liquid Crystal Display

Product Introduction

Our customized transmissive LCD solutions build upon standard transmissive liquid crystal technology, where backlight illumination passes through the liquid crystal layer to create images. Customization spans multiple dimensions including size flexibility from mini wearable formats to industrial-scale displays, material selection with stainless steel and aluminum alloy options for harsh environments, and functional enhancements with integrated touch modules, specialized interfaces, or sensors. Performance parameters including brightness, resolution, and operating temperature/humidity ranges can be tailored to specific requirements. These displays offer full-color reproduction, exceptional image clarity, and strong environmental adaptability to meet diverse industrial equipment integration needs. Note that power consumption exceeds that of reflective LCD alternatives.

Main Applications

Custom transmissive displays serve industrial, logistics, transportation, and other professional sectors. Industrial control applications include integration into production equipment and automation systems for real-time operational data display, with high-protection models designed for factory environments with dust and vibration. Logistics and warehousing solutions incorporate barcode scanning capabilities for efficient inventory management and goods tracking. Traffic management systems utilize these displays for signal control and vehicle monitoring equipment. Additional applications span medical equipment interfaces and commercial terminal displays, meeting the specialized functional requirements across various industries.

Frequently Asked Questions

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

Yes, we can accommodate this requirement. Please provide your detailed specifications or drawing. If specifications are unavailable, we can analyze your samples to recommend suitable standard products or develop custom solutions based on your specific requirements.

This LCD meets our needs but the size is too large. Can you provide a smaller size with modified display content?

For segment-type LCD modules requiring outline size modifications or display content changes, new LCD glass modules are necessary. This requires creating custom tooling specifically for your project.

This LCD display is HTN type, but I need STN type. Can you manufacture this?

Absolutely. We can modify the display type according to your specifications and requirements.

I need to customize a new LCD module. Is this service available?

Yes, we specialize in custom LCD solutions. Please provide your drawing or specify the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive conditions), and we'll develop a tailored solution.

What is the lead time for tooling?

Typically, tooling requires 15 to 25 days following drawing confirmation and tooling charge payment. We'll provide exact timelines upon finalizing your drawing specifications.

Can you send samples for evaluation?

Yes, sample orders are available for your testing and validation purposes.

What is the production lead time?

For standard products in stock, lead time is one day post-payment. Mass production of custom orders typically requires 15-30 days. We'll proactively communicate if we can complete your order ahead of schedule.



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdtftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881