# Customized Dimensions 7 Segment LCD Display with Transmissive Display and Multiple Viewing Angles

Our Product Introduction

## 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

- Backlight: LED
- Dimensions: Customized
- Module Size: Customized
- Panel Type: VA LCD Display
- Technology: LCD
- Connect: Pin , Zebra Or FPC
- Viewing Angle: 6 O'clock Or 12 O ' Clock
- Display Mode: Positive Or Negative
- Highlight: **Customized Dimensions 7 Segment LCD Display** , **Transmissive Display Alphanumeric LCD Module** , **Multiple Viewing Angles VA LCD Display**

Our Product Introduction

for more products please visit us on lcdtftscreen.com

## Product Description

# LCD Custom Alphanumeric Display Module

7 Segment Transmissive LCD Screen for industrial and commercial applications

### Product Specifications

| | |
|---|---|
| **Type** | VA 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 Details

| Item | Content | Description |
|---|---|---|
| 1 | LCD Type | TN, HTN, FSTN, VA, DFSTN, STN LCD Display |
| 2 | Outline Size | Customized |
| 3 | VA Size | Custom |
| 4 | Viewing Direction | 6 O'clock or 12 O'clock |
| 5 | Voltage | 2.8V, 3.0V, 3.2V, 3.6V, 4.0V, 4.5V, 5.0V |
| 6 | Display Mode | Positive or Negative |
| 7 | Backlight | With or without |
| 8 | Operation Temp | 0°C TO +50°C, -10°C TO +60°C, -20°C TO +70°C |
| 9 | Storage Temp | -10°C TO +60°C, -20°C TO +70°C, -30°C TO +80°C, -35°C TO +90°C |
| 10 | Contactor | Pin, Zebra or FPC |

## Product Introduction

### Basic Structure

The 7-segment display screen is composed of a liquid crystal panel, driving circuit and control interface. The liquid crystal panel features 7

display segments and 1 decimal point segment, arranged in the shape of the number "8". The driving circuit typically contains a driving chip such as MAX7231, capable of driving an 8-bit 7-segment LCD. The control interface includes parallel or serial interfaces for easy connection with microcontrollers.

### Working Principle

Display is achieved by controlling the voltage of each segment on the liquid crystal panel. When the pressure difference between the COM and SEG terminals reaches a certain value, the corresponding segment displays; if the pressure difference is 0V, it remains off. Generally driven by alternating current, segment on/off is controlled through static driving or time division driving methods, enabling display of different numbers and letters.

### Display Characteristics

Primarily monochrome display options including yellow-green/blue background white characters or black background gray characters, with some models featuring backlight. Capable of displaying predefined characters such as ASCII code characters, with personalized display achieved by storing custom characters in CGRAM.

## Product Applications

**Digital Display Devices:** Widely used in digital clocks, calculators, electronic instruments for displaying time, calculation results, and measurement data

**Household Appliances:** Common on control panels of microwave ovens, washing machines, air conditioners for showing working modes, temperatures, and times

**Industrial Control:** Used in industrial equipment to display parameters, statuses, and alarm information for monitoring and control

**Embedded Development:** Popular display component in microcontroller projects for debugging information and menu interfaces

**Educational Field:** Frequently used in electronic experiments such as temperature displays and clock projects for learning circuits and programming

## 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. Please provide your specification drawing or sample. We can recommend suitable standard products or customize based on your requirements.

**This LCD is what we want, but it's too large. Do you have smaller sizes? Can the display content be modified?**

For segment type LCD modules requiring size or content modifications, new LCD glass modules are needed. We will create new tooling for your custom requirements.

**This LCD display is HTN type, but I want STN type. Can you make this change?**

Yes, we can change the LCD type according to your specifications.

**Can you customize a new LCD module?**

Yes, we specialize in custom LCD modules. Please provide your drawing or specifications including outline size, glass thickness, polarizer type, display type, connector mode, temperature ranges, voltage, viewing direction, and drive conditions.

**What is the lead time for tooling?**

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

**Can you send samples for evaluation?**

Yes, sample orders are available for quality verification.

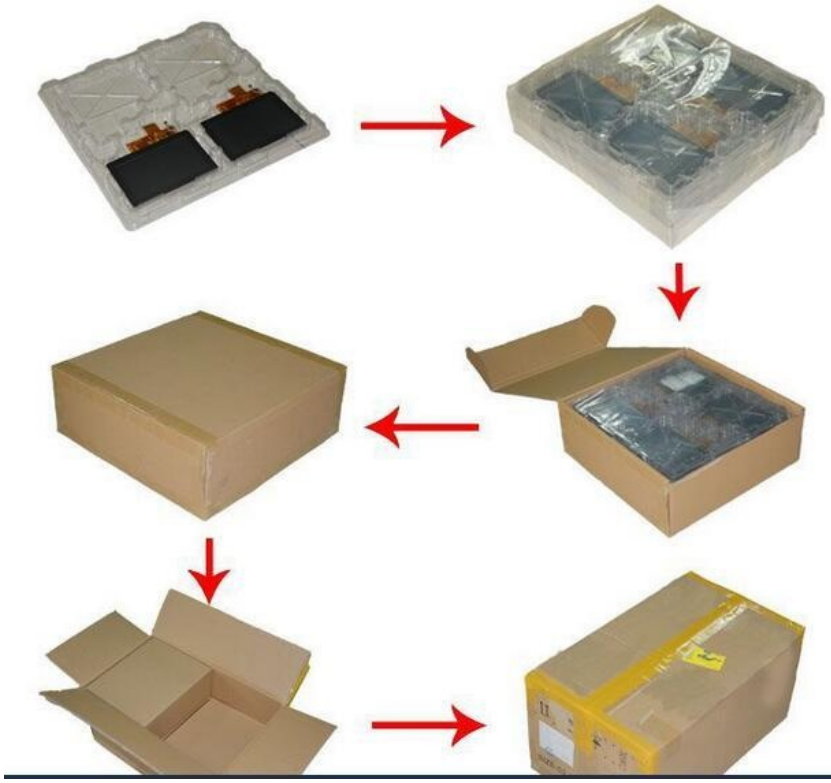
**What is the production lead time?**

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

## Packaging & Shipping

### Packaging

Carton boxes, cupboard, EPE, blister tray. Packaging method depends on product size and customer requirements, with consideration for different country regulations.



### Shipping

Express services including DHL, FedEx, EMS, UPS, air shipping, and sea shipping. We accommodate your preferred shipping method.

| | DHL | FedEx Express | UPS | EMS | TNT | SF |
|---|---|---|---|---|---|---|
| | 2-7days | 2-8days | 2-7days | 3-15days | 2-5days | 2-7days |
| Notice | 1. EMS for Brazil, Russia and Remote areas .<br>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .<br>3. Having logo product can' t be sent by FEDEX .<br>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us ! | | | | | |

### Payment Methods

| HSBC | PayPal | WESTERN UNION | ESCROW |
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