

## 160x96 Resolution FSTN LCD Display with White LED Backlight for Industrial and Medical Applications

### 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

- Appearance Size: 50.0(L) X 40.0(W) X 4.1(T) Mm
- Driving Scheme: 1/96 Duty Cycle, 1/10 Bias
- Display Resolution: 160\*95
- Interface: MPU ( Can Be Customized )
- Va Size: 47.0(L) X 30.0(W) Mm
- Backlighting: Write
- Storage Temperature: -30-80
- Mode: FSTN, Positive, Transflective
- Highlight: **160x96 Resolution LCD Module, White LED Backlight Graphic LCD Display, FSTN Technology LCD Display**



## Product Description

### 160x96 FSTN White LED Backlight Graphic LCD Display

High-performance 160x96 FSTN graphic LCD module with white LED backlight, designed for industrial and commercial applications requiring clear, reliable display performance.

#### Technical Specifications

Product	COG FSTN 160x96 LCD Module
Resolution	160x96 Graphics
LCD Type	FSTN, Positive, Transflective
Optics	6:00 O'clock
Outline Dimensions	50.0(L) X 40.0(W) X 4.1(T) mm
Viewing Area	47.0(L) X 30.0(W) mm
Dot Pitch	0.272(L) X 0.255(W) mm
Dot Size	0.292(L) X 0.275mm
Driving Method	1/96 Duty Cycle, 1/10 Bias
Operating Temperature	-20°C To +70°C (Customizable)
Pin Number	9 Pins
Operating Voltage	3.3V
Controller	ST75161 Or Equivalent
Interface	MPU (Can Be Customized)
Connector	Plugging (Can Be Customized)
Compliance	REACH & RoHS Compliant

#### Product Features

**High Resolution:** 160x96 pixel configuration enables detailed graphics and text display

**Advanced Display Technology:** FSTN (Film Compensated Super Twisted Nematic) provides semi-transparent, semi-reflective characteristics for optimal visibility in various lighting conditions

**White LED Backlight:** Uniform illumination ensures clear, bright display with accurate color representation

**Low Power Operation:** 3.3V operating voltage minimizes power consumption for battery-powered applications

**Integrated Controller:** Compatible with ST75161 or equivalent driver chips for reliable performance

#### Applications

**Instrumentation:** Multimeters, oscilloscopes, thermometers, and measurement devices

**Industrial Control:** PLC systems, HMI interfaces, equipment status monitoring

**Household Appliances:** Microwave ovens, ovens, washing machines, and smart home devices

**Medical Equipment:** Blood glucose meters, blood pressure monitors, diagnostic instruments

**Consumer Electronics:** Electronic dictionaries, handheld gaming devices, MP3/MP4 players



## Frequently Asked Questions

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

Yes, we can accommodate custom specifications. Please provide your detailed specification document or drawing. If unavailable, we can recommend suitable standard products or create custom solutions based on your requirements.

### This LCD is what we want, but the size is too large. Do you have smaller sizes with modified display content?

For segment type LCD modules requiring size or content modifications, we can create new LCD glass modules with custom tooling to meet your specific requirements.

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

Absolutely. We can modify the display type to STN or other specifications according to your project requirements.

### Can you create custom LCD modules?

Yes, we specialize in custom LCD solutions. Please provide your drawing specifications or detailed requirements including outline dimensions, display information, glass thickness, polarizer type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

### What is the lead time for custom tooling?

Custom tooling typically requires 15-25 days after drawing confirmation and tooling charge payment. We will provide exact timelines upon specification approval.

### Can you provide samples for evaluation?

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

### What is your production lead time?

Standard products in stock ship within one day after payment. Mass production of custom orders typically requires 15-30 days. We will notify you immediately 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