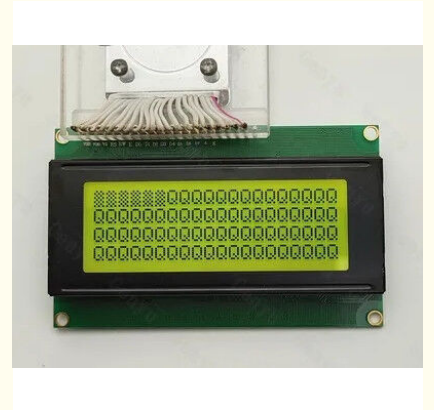


STN Yellow Green Monochrome LCD Display Module 20x4 Character LCD Display with 16 Pin Interface

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Model Number: BBI-001
- 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

- Name: Monochrome LCD Display Module
- Viewing Direction: 6 O'clock
- Storage Temp: -30-80°C
- Dot Size: 0.55mm(L)*0.4mm(W)
- Viewing Area: 76(W)*26(H) Mm
- PCB Size: 98(L)*60(W)*13(D) Mm
- Highlight: **Monochrome LCD Display 20x4,
Monochrome LCD Display Module,
20x4 Character LCD Display 16 pin**



for more products please visit us on lcdftscreen.com

Product Description

STN Yellow Green Monochrome LCD Display Module 20x4 Character LCD Display 16 pin

STN Yellow Green Monochrome LCD Display Module 20x4 Character LCD Display 16 pin

Product Specifications

Display Type: STN/Yellow-green, Transflective, Positive

Display Mode: 20 characters x 4 lines

Backlight Type: Side LEDs, Olive

Driving Method: 1/16 Duty, 1/5 Bias, 4.7V

Interface: 4-bits or 8-bits interface

Viewing Angle: 6 O'clock

Structure	LCD + IC + ZEBRA + BL + PCB
PCB Size	98(L)*60(W)*13(D) mm
Viewing Area	76(W)*26(H) mm
Dot Size	0.55(W)*0.55(H) mm
Operating Temperature	-20~+70 °C
Storage Temperature	-30~+80 °C

STN Yellow-Green Monochrome Liquid Crystal Display Module 20x4 (commonly referred to as LCD2004) is a mature character display module with low cost, easy integration, and moderate power consumption as its core advantages. It is suitable for text display requirements in industrial and embedded scenarios.

Product Core Features

Display Specifications: Utilizing the Super Twisted Nematic (STN) liquid crystal technology, it presents a single-color display effect with a fixed yellow-green background and dark characters. Each row displays 20 characters, totaling 4 rows. Each character is a 5x8 dot matrix, capable of displaying numbers, letters, symbols, and simple custom graphics. The total number of displayable characters is 80, suitable for basic text interaction.

Core Components and Drivers: It is equipped with controllers such as KS0066 and ST7066U that are compatible with HD44780, supporting 1/16 duty cycle and 1/5 bias. The interface is mainly 16PIN parallel (including 8-bit MPU data port), and some support I²C conversion, reducing the MCU pin occupation; the backlight is mostly yellow-green LEDs, with a transmissive-receptive design that balances visibility in both bright and dim light environments. The typical power supply is 5V, and the wide-temperature model can cover -40°C to +85°C, meeting strict working conditions.

Structure and Characteristics: The common size is approximately 98x60x13mm, the visible area is about 76x25mm, and the character size is approximately 4.7x2.9mm; it has low power consumption, anti-interference, long lifespan characteristics, strong ESD protection capability, is suitable for welding and embedded installation, can achieve basic operations such as clearing the screen, cursor movement, and character flashing through commands, and supports custom character storage.

Main Applications

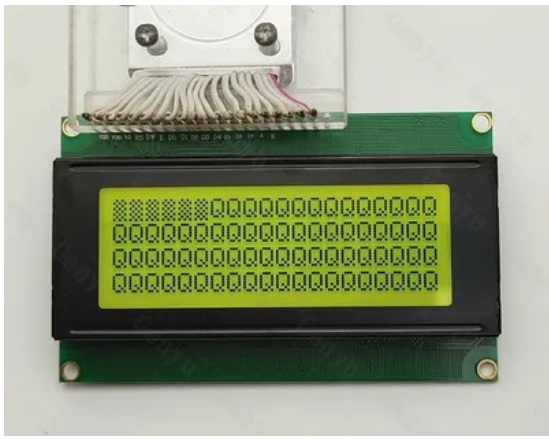
Industrial Control Field: Widely used in PLC, frequency converters, sensor instruments, temperature/pressure controllers, etc., for displaying operating parameters, alarm codes, operation menus, and status prompts, suitable for stable text output requirements in factory production lines, computer room monitoring, etc.

Embedded and DIY Development: As a common peripheral for Arduino, STM32, etc., used for debugging information, sensor data (such as temperature, humidity, liquid level), real-time display of serial communication content, helping developers quickly verify program and hardware interaction logic.

Instrumentation and Medical Equipment: Suitable for measuring instruments such as multimeters, oscilloscopes, spectrum analyzers, as well as portable medical equipment such as infusion pumps, blood pressure monitors, etc., clearly presenting measurement values, units, and equipment status, balancing low power consumption and readability requirements.

Smart Home and Consumer Electronics: Applied to control panels of white appliances such as air conditioners, refrigerators, washing machines, etc., for displaying operating modes, temperatures, times, etc.; also used in POS machines, access control hosts, charging piles, etc., providing operation instructions and transaction information display.

Automobile and Special Scenarios: Used in vehicle diagnostic instruments, tire pressure monitors, vehicle air conditioning panels, etc., for stable display of vehicle condition data in wide temperature and vibration environments; also compatible with special equipment in mining, navigation, and cold regions, with weather resistance to meet basic display requirements in extreme environments.



Frequently Asked Questions

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

No problem. Firstly, please kindly send us your specification/drawing paper. If you have not the specification, you can also provide your samples; we will recommend the suitable one if it is standard products. Or we can customize for you based on your own requirement.

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 the segment type LCD module, if you need modify the outline size or display content, a new LCD glass module is need. We have to open new tooling for you.

This LCD display is HTN type, but I want STN type, can you make?

That's all right. We can change for you as per you request.

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

Yes, we can. Please send your drawing paper. If you have not, please advise me the outline size of the LCD display, display information (Glass thickness, Polarizer, Display Type, Connector mode, Storage Temp. Operating Temp. Supply Voltage, Viewing direction, drive condition), we can customize for you.

What is leading time for tooling?

General speaking, it will cost 15 to 25 days after drawing paper confirmation and tooling charge payment, we can report you the exact time when you confirm the drawing paper.

Can you send us samples for checking?

Yes. Samples order is available.

What is the Leading Time?

If we have stock for the standard ones, the leading time is one day after payment. If it is the mass production for special ones, the leading time is about 15-30 days. suppose we can finish earlier, we will report the information in advanced.

Our Services

Free repair within one year after the shipment of products from us.

Replacement within 30 days after the shipment of products from us due to products' problems.

We can print your logo and stick your model No.on the cameras.

We have long cooperation with many shipping companies and our export volume is large. The shipping companies can offer us good discounts.

Professional technician supports. We have a good after-sales service team. They can solve your problems in time.

All goods will be inspected and tested by our engineers and QC/QA before packing and shipment.

Customers satisfactory is most important to us. If you have any problem or questions regarding our transaction. Please contact us by Email or online. It will be responded within 24 hours.

Products pictures only for your reference. please kindly refer to the specification. we can provide the products basic on the specification. or you can offer your own specification or drawing , we can customize all kinds of LCD displays for you. thanks for your kind support always.

Character / Graphic Type LCD Modules List

For detailed specifications of our complete LCD module product line, including various character and graphic display models with different sizes, viewing areas, and specifications, please contact our technical support team for comprehensive product catalogs and customization options.



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

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