

## 1.7 Inch 128 \* 64 LCD Display FFSTN Negative 1.8V 21 PIN LCD Display Parallel Interface

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

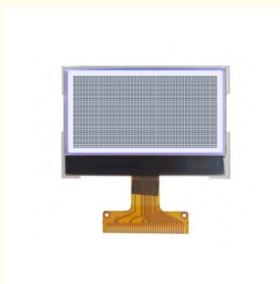


### Product Specification

- Voltage: 3.0V
- Dot Matrix: 128\*64 Dots
- Viewing Angle: 160 Degrees
- Fpc Number: 21PIN
- Driver IC: ST7567A
- Active Area: 38.00(W)\* 22.380(H) Mm
- Name: 128x64 LCD Display
- Highlight: 1.7 Inch 128 \* 64 LCD Display,  
1.8V 21 PIN LCD Display,  
21 PIN LCD Display 12864



### More Images



## Product Description

### 1.7 Inch 128 \* 64 LCD Display FFSTN Negative 1.8V 21PIN Parallel Interface

#### Product Description

##### FFSTN (Film-Film Super Twisted Nematic):

- **FFSTN** is an advanced form of **STN (Super Twisted Nematic)** LCD technology, where **two layers of film** (instead of one) are used in the liquid crystal structure. This design enhances **contrast, viewing angles, and image clarity** compared to standard **STN**.
- FFSTN displays typically offer:
  - **Better Contrast:** Higher contrast ratios, make the display easier to read in various lighting conditions.
  - **Improved Viewing Angles:** FFSTN displays allow you to view the screen from more angles with less distortion compared to standard STN displays.
  - **Color Options:** The display itself is typically monochrome (black on a light background or vice versa), but the backlighting can be different colors (e.g., white, blue, or green), enhancing visibility in low-light conditions.

##### Detailed Parameters:

1	Product Description	COG Graphic LCD Display
2	Model Brand	Bibuke
3	LCD Type	FFTN(Black), Negative
4	Polarizer Type	Transmissive
5	Viewing Angle	12 O'clock
6	Resolution	128x64 dots
7	Drive Method	1/65 Duty, 1/9 Bias
8	Working Voltage	1.8V
9	Operating Temperature	-20~+70
10	Storage Temperature	-30~+80
11	FPC Connector	21PIN, soldering type
12	FPC Pitch	0.8mm
13	Connector	COG+FPC
14	Driver IC	ST7567A
15	Interface	8-bit parallel
16	Backlight Type	2-LEDs, White
17	Power Consumption	VF=1.8V, IF=30mA
18	Outline Dimension	45.00(W)* 31.60(H)* 3.00(T) mm
19	View Area	40.00(W)* 22.00(H) mm
20	Active Area	38.00(W)* 22.380(H) mm
21	Dot Size	0.282(W)* 0.20.98(H) mm
22	Dot Pitch	0.432(W)* 0.463(H) mm

1.7-inch 128×64 dot matrix liquid crystal display is a common type of liquid crystal display module. The LCD technology it adopts is FFSTN (Film Compensated Super Twisted Nematic). Its working voltage is -1.8V, and the 21-pin parallel interface is used for connection with external circuits. The following is a detailed introduction of it:

#### Product Introduction

**Basic parameters:** The panel size of this monitor is 1.7 inches, with a resolution of 128×64 pixels. This means it can display 128 columns and 64 rows of pixel points, capable of clearly presenting text, numbers, and simple graphics.

**Display technology:** It adopts FFSTN technology, which is based on STN liquid crystal technology and adds compensation film to eliminate chromatic dispersion, achieving black-on-white display effect with high contrast and wide viewing angle. Negative FFSTN usually displays black background with white text, providing a clear and eye-catching visual effect.

**Interface type:** 21-pin parallel interface. This interface has a fast data transmission speed and can achieve high-speed data exchange with external devices such as microcontrollers. Common parallel interface signals include data bus (such as D0-D7), register selection signal (RS), read/write signal (R/W), enable signal (E), etc.

**Working voltage:** The working voltage is -1.8V. The low-voltage working characteristic makes its power consumption lower, suitable for devices powered by batteries.

**Driver chip:** Different manufacturers' this model of monitor may use different driver chips, such as ST7565R. The driver chip is responsible for controlling the display operation of the liquid crystal display, such as the on/off of pixel points and the setting of display modes.

#### Product application

Instrumentation: It can display various measurement data, such as voltage, current, temperature, humidity, etc., and is commonly found in multimeters, thermometers, hygrometers, etc.  
Embedded systems: In embedded devices such as smart home control panels and industrial controllers, it is used to display the working status, operation menus, parameter settings, etc. of the equipment.  
Medical equipment: Such as blood glucose meters, blood pressure monitors, etc., can clearly display measurement results and related prompt information, making it convenient for medical staff and patients to view.  
Automotive electronics: It can be used in vehicle instrument panels to display vehicle status information such as speed, engine speed, fuel level, water temperature, etc., and can also be used for simple information display in in-vehicle navigation systems.  
Portable electronic devices: Such as handheld game consoles, electronic dictionaries, portable data collectors, etc., can provide a clear display interface to meet users' information display needs.



## Packaging & Shipping:

**Packaging:** Carton boxes, Cupboard, EPE, Blister Tray, About the package way, it is up to the size of products, according to customer request and demand. Different countries have not same requirement..



**Shipping:** Express way as DHL,Fedex,EMS,UPS,air shipping,sea shipping,Any shipping method you prefer.

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

### Payment Method:



### FAQ:

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

Answer: 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.

2.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.

Answer: 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.

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

Answer: That's all right . we can change for you as per you request.

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

Answer: 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.

5. What is leading time for tooling?

Answer: 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.

6. Can you send us samples for checking?

Answer: Yes,. Samples order is available.

7. What is the Leading Time?

Answer: 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:

1. Free repair within one year after the shipment of products from us.
2. Replacement within 30 days after the shipment of products from us due to products' problems.
3. We can print your logo and stick your model No.on the cameras.
4. We have long cooperation with many shipping companies and our export volume is large. The shipping companies can offer us good discounts.
5. Professional technician supports. We have a good after-sales service team. They can solve your problems in time.
- 6.All goods will be inspected and tested by our engineers and QC/QA before packing and shipment.
- 7.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.
- 8.Products pictures only for your referene. 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.



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