



2.9 Inch 128x64 LCD Display FSTN Black White Transflective 18 Pin LCD Display SPI Interface

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Name: Graphic LCD Display
- Lcd Type: FSTN(Black-white), Positive
- Display Size: 128x64 Pixels
- Vdd: 3.0V
- Brightness: 100 Cd/m2
- Operating Temperature: -20°C To 70°C
- Interface: SPI
- Highlight: 2.9 Inch 128x64 LCD Display , 12864 LCD Screen , 18 Pin LCD Display SPI Interface



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2.9 Inch 128x64 Graphic LCD Display FSTN Black White Transflective 18PIN SPI Interface

Product Description

A **128x64 LCD** refers to an LCD screen with a resolution of 128 pixels in width and 64 pixels in height.

This type of display is commonly used in embedded systems, portable electronics, and other applications where a compact graphical or text-based display is required.

These displays are usually **monochrome** (black and white) but can sometimes have colored backlighting (such as blue or green) to enhance visibility.

Considerations:

- **Power Consumption:** LCDs consume less power compared to OLEDs or TFT displays, making them ideal for battery-powered devices.
- **Visibility:** Although monochrome, the readability of the display depends heavily on the contrast, backlight intensity, and viewing angle.
- **Limitations:** Limited resolution means you can only display a small amount of information at a time, so graphical interfaces need to be simple and clear.

Detailed Parameters:

1	Product Name	COG Graphic LCD Display
2	Model Brand	Bibuke
3	LCD Type	FSTN(Black-white), Positive
4	Polarizer Type	Transflective
5	Viewing Angle	12 O'clock
6	Resolution	128x64 dots
7	Drive Method	1/65 Duty, 1/9 Bias
8	Working Voltage	3.0V
9	Operating Temperature	-20~+70
10	Storage Temperature	-20~+70
11	FPC Connector	18PIN, socket type
12	FPC Pitch	1.0 mm
13	Connector	COG+FPC
14	Driver IC	ST7565R-G
15	Interface	SPI
16	Backlight Type	4-LEDs, White
17	Luminance	>100 cd/m2
18	Power Consumption	VF=3.2V, IF=60mA
19	Outline Dimension	77.4(W)* 52.4(H)* 6.5(T) mm
20	View Area	70(W)* 43(H) mm
21	Active Area	66.52(W)* 33.24(H) mm
22	Dot Size	0.48(W)* 0.48(H) mm
23	Dot Pitch	0.52(W)* 0.52(H) mm

Product Introduction:

Dimensions and Resolution: The diagonal size of the screen is 2.9 inches, with a resolution of 128x64 pixels. It can display a certain amount of text, numbers, and simple graphics.

Display Technology: FSTN technology belongs to semi-transmissive reflective liquid crystal display technology, featuring good viewing angles and contrast ratio. It can clearly display content under different lighting conditions. The black and white transparency characteristic enables it to display without a backlight, and a backlight can also be added as needed.

Pins and Interfaces: The 18-pin design provides necessary electrical connections. The SPI interface has the advantages of simple communication lines and fast data transmission speed, facilitating connection with microcontrollers and other devices to achieve efficient data transmission and display control.

Form Dimensions: The dimensions of this specification display screen produced by different manufacturers may vary.

Working Voltage and Temperature: The general working voltage is around 3.3V, and the working temperature range is from -20°C to 70°C, which can adapt to a wide range of environmental temperatures.

Product Applications:

Industrial Equipment: It can be used in industrial control instruments to display the operating parameters and status information of the equipment; it can also be applied in industrial handheld devices such as data collectors, barcode scanners, etc., making it convenient for operators to view data.

Instrumentation: In various types of instruments such as aerospace instruments, temperature instruments, water meters, electricity meters, multimeters, etc., it is used to display measurement data and related information.

Medical and Healthcare Equipment: Like electronic blood pressure monitors, massage devices, digital electrocardiogram machines, etc., medical equipment can display measurement results, working modes, etc. through this display screen.

Automotive Electronics: It is suitable for automotive instruments, GPS navigation devices, OBU electronic tags, etc., providing drivers with vehicle information, navigation guidance, etc.

Financial Tax Control Products: In tax control cash registers, POS machines, etc., it is used to display transaction amounts, operation prompts, etc. information.



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?

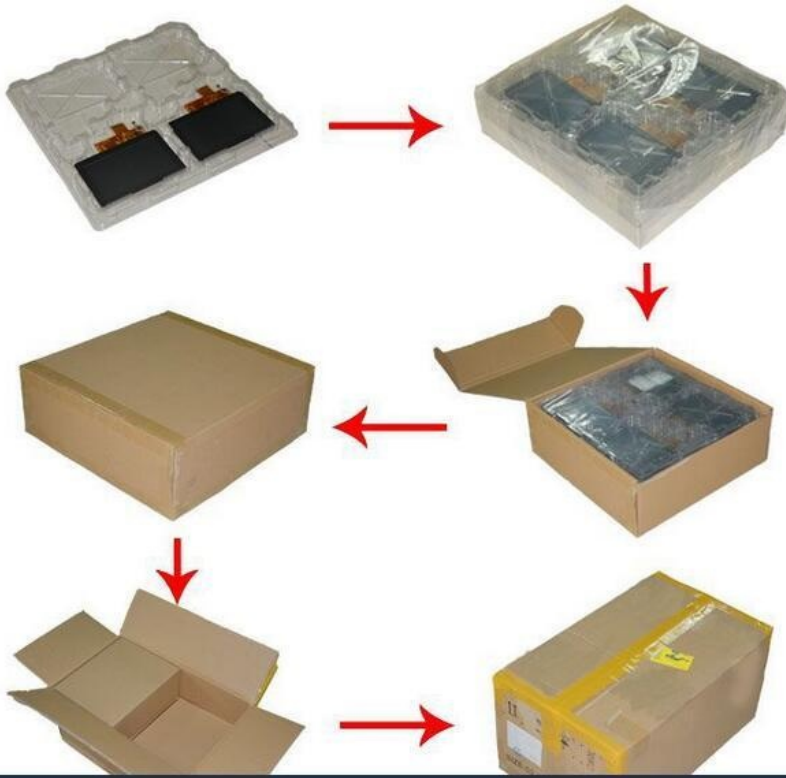
Answer: Yes., Samples order is available.

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.

Packaging & Shipping:

Packaging: Carton boxess, Cupboard , EPE, Blister Tray, About the package way, it is up tthe 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
Notice	<ol style="list-style-type: none"> EMS for Brazil, Russia and Remote areas . SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia . Having logo product can' t be sent by FEDEX . The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us ! 					

Payment Method:



List of Existing COB LCD Modules:

Model	Content CharsXLine s	Module size W x H(mm)	View area W x H(mm)	Dot size W x H(mm)	Character size W x H(mm)	Driving Method	Controller LSI or Equiv	IC Package	STN-TYPE	FSTN-TYPE
8D- C080 2A	8X2	84.0X44.0	63.0X25.0	1.15X1.3 6	6.07X11.56	1/16	S6A0069	COB	Y	Y
8D- C080 2B	8X2	58.0X32.0	38.0X16.0	0.56X0.6 6	2.95X5.56	1/16	S6A0069	COB	Y	Y
8D- C120 2A	12X2	55.7X32.0	46.7X17.5	0.45X0.6	2.65X5.5	1/16	S6A0069	COB	Y	Y
8D- C160 1A	16X1	80.0X36.0	64.5X13.8	0.55X0.6 5	3.2X5.95	1/16	S6A0069	COB	Y	Y
8D- C160 1B	16X1	122.0X33.0	99.0X13.0	0.92X1.1	4.84X8.06	1/16	S6A0069	COB	Y	Y
8D - C160 1C	16X1	80.0X36.0	64.5X13.8	0.6X0.7	3.2X8.2	1/11	S6A0069	COB	Y	Y
8D - C160 1D	16X1	85.0X28.0	65.0X16.0	0.55X0.7 5	3.07X6.56	1/16	S6A0069	COB	Y	Y

8D - C160 1E	16X1	80.0X36.0	64.5X13.8	0.55X0.7 5	3.07X6.56	1/16	S6A0069	COB	Y	Y
8D - C160 2A	16X2	80.0X36.0	64.5X13.8	0.55X0.5	2.95X4.35	1/16	S6A0069	COB	Y	Y
8D - C160 2B	16X2	122.0X44.0	99.0X24.0	0.92X1.1	4.84X9.66	1/16	S6A0069	COB	Y	Y
8D - C160 2C	16X2	80.0X36.0	64.5X15.5	0.55X0.6 6	2.96X5.56	1/16	S6A0069	COB	Y	Y
8D - C160 2D	16X2	84.0X44.0	64.5X15.5	0.55X0.6 6	2.96X5.56	1/16	S6A0069	COB	Y	Y
8D - C160 2E	16X2	85.0X36.0	64.5X15.5	0.56X0.6 6	2.96X5.56	1/16	S6A0069	COB	Y	Y
8D - C160 2F	16X2	72.0X36.0	64.5X15.5	0.56X0.6 6	2.96X5.56	1/16	S6A0069	COB	Y	Y
8D - C160 4A	16X4	87.0X60.0	62.0X25.6	0.55X0.5 5	2.95X4.75	1/16	S6A0069	COB	Y	Y
8D - C200 1A	20X1	116.0X37.0	83.0X18.6	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8D - C200 2A	20X2	98.0X60.0	83.0X18.6	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8D - C200 2B	20X2	116.0X37.0	83.0X18.6	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8D - C200 C	20X2	146.0X43.0	123.0X23.0	0.92X1.1	0.98X1.17	1/16	S6A0069	COB	Y	Y

List of Exiting COB LCD Modules:

M o d e l	Content (W X H)	Module size W x H(mm)	View area W x H(mm)	Dot size W x H(mm)	Dot pitch W x H(mm)	Driving Method	Controller LSI or Equiv	IC Package	STN-TYPE	FSTN-TYPE
8 D - C 2 0 0 4 A	20X4	98.0X60.0	76.0X25.2	0.55X0.55	2.95X4.75	1/16	S6A0069	COB	Y	Y
8 D - C 2 0 0 4 B	20X4	77.0X47.0	60.0X22.0	0.42X0.46	2.3X4.03	1/16	S6A0070	COB	Y	Y
8 D - C 2 0 0 4 C	20X4	146.0X62.5	123.5X43.0	0.92X1.1	4.84X9.22	1/16	S6A0069	COB	Y	Y

8 D - C 2 4 0 2 A	24X2	118.0X36.0	93.5X16.0	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8 D - C 2 4 0 2 B	24X2	208.0X40.0	178.0X23.0	1.16X1.16	6.0X9.63	1/16	S6A0069	COB	Y	Y
8 D - C 4 0 0 1 A	40X1	182.0X33.5	154.4X16.5	0.6X0.75	3.2X6.35	1/16	S6A0069	COB	Y	Y
8 D - C 4 0 0 2 B	40X2	182.0X33.5	154.4X16.5	0.6X0.65	3.2X5.55	1/16	S6A0069	COB	Y	Y
8 D - C 4 0 0 4 A	40X4	190.0X54.0	147.0X29.5	0.5X0.55	2.78X4.89	1/16	S6A0069	COB	Y	Y
8 D - G 1 2 2 3 2 A	122X32	84.0X44.0	60.0X18.5	0.4X0.4	0.44X0.44	1/32	SED1520	COB	Y	Y
8 D - G 1 2 2 3 2 B	122X32	80.0X36.0	55.0X18.5	0.36X0.41	0.4X0.45	1/32	SED1520	COB	Y	Y
8 D - G 1 2 2 3 2 C	122X32	98.0X60.0	76.0X25.2	0.53X0.61	0.57X0.65	1/32	SED1520	COB	Y	Y

8 D - G 1 2 2 3 2 D	122X32	80.2X47.4	76.0X25.2	0.53X0.61	0.57X0.65	1/32	SED1520	COB	Y	Y
8 D - G 1 2 8 6 4 A	128X64	78.0X70.0	62.0X44.0	0.39X0.55	0.44X0.6	1/64	S6B0108A	COB	Y	Y
8 D - G 1 2 8 6 4 B	128X64	105.0X60.5	72.0X40.0	0.48X0.48	0.52X0.52	1/64	S6B0108A	COB	Y	Y
8 D - G 1 2 8 6 4 C	128X64	93.0X70.0	72.0X40.0	0.48X0.48	0.52X0.52	1/64	S6B0108A	COB	Y	Y
8 D - G 1 2 8 6 4 D	128X64	113.0X65.0	72.0X40.0	0.48X0.48	0.52X0.52	1/64	S6B0108A	COB	Y	Y
8 D - G 1 2 8 6 4 E	128X64	93.0X70.0	72.0X40.0	0.48X0.48	0.52X0.52	1/64	ST7920	COB	Y	Y
8 D - G 1 9 2 6 4 A	192X64	130X65.0	104.0X39.0	0.46X0.46	0.51X0.51	1/64	S6B0108A	COB	Y	Y

8 D - G 1 9 2 6 4 B	192X64	120X62.0	104.0X39.0	0.46X0.46	0.51X0.51	1/64	S6B0108A	COB	Y	Y
8 D - G 2 4 0 6 4 B	240X64	180.0X65.0	132.0X39.0	0.53X0.53	0.49X0.49	1/64	T6963C	QFP/COB	Y	Y
8 D - G 2 4 0 8 1 2 8 A	240X128	144X104	114X64	0.4X0.4	0.45X0.45	1/128	T6963C	QFP/COB	Y	Y

Product application

Household appliances-refrigerators: air conditioners, fans, hot and cold air heaters, water heaters, electric blankets, heaters, air purifiers, washing machines, clothes dryers, vacuum cleaners, lampblack cleaners, microwave ovens, cookers, electric ovens, rice cookers, water drinkers, tea sets, etc.;

Communication :equipment-telephone, interphone, fax machine, wireless wifi, etc.

Automotive: electronics-on-board entertainment system, automobile fault detector, CarLog, vehicle navigator, car audio, reverse radar, reverse mirror, camera, anti-theft device, etc.

Instruments :water meters, electric meters, multimeter, electronic scales, pressure meters, temperature meters, flow meters, display instruments, electrical instruments, space instruments, measuring instruments, analytical instruments, electrochemical instruments, optical instruments, etc.;

Fitness: equipment-treadmill, waist machine, fitness bike, training device, pedometer, code table, beauty instrument, fat square measuring instrument, fitness instrument, electronic sphygmomanometer, weighing scale, etc.

Financial :tax control-tax control cash machine, poss machine, usb-key cheque printer, banknote counting machine, tax control invoice machine, etc.

Consumer electronics:mp3,mp4,dvd, electronic dictionary, click reader, early teaching machine, learning machine, electronic organ, electronic clock, chronograph, calculator, etc.

high resolution, high definition, high brightness, cost -effective, energy conservation, high temperature, low temperature, Wide Temperature Range, Positive, Negative



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