

## Reflective Monochromatic FSTN LCD Display with SPI Interface and White Backlight 128x64 Graphic LCD Module

### 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

- Name: Reflective Monochromatic FSTN LCD Display
- Display Type: LCD
- Display Color: Monochrome
- Interface: SPI
- Lcd Type: FSTN, Positive
- Resolution: 128x64 Pixels
- Backlight Type: LED
- Highlight: **Reflective Monochromatic FSTN LCD Display ,  
FSTN LCD Display 15pin ,  
White Backlight SPI Interface LCD Display**



## Product Description

### Reflective 128x64 LCD Display with SPI Interface

High-quality monochromatic FSTN LCD display featuring 15-pin white backlight and SPI interface for versatile microcontroller integration.

#### Key Features

**FSTN Technology:** Film Super Twisted Nematic display provides superior contrast and viewing angles compared to traditional TN LCDs

**Reflective Mode:** Utilizes ambient light for visibility with low power consumption, similar to e-ink displays

**SPI Interface:** Compatible with Arduino, ESP32, Raspberry Pi, and other popular microcontrollers

**Compact Size:** 0.96-inch diagonal screen ideal for space-constrained applications

**Monochrome Display:** Clear black-and-white output with potential blue or grayish background variations

#### Technical Specifications

Parameter	Specification
Product Description	Monochrome COG Graphic LCD Display
Model Brand	Bibuke
LCD Type	FSTN (Gray), Positive
Polarizer Type	Transmissive
Viewing Angle	6 O'clock
Resolution	128x64 dots
Drive Method	1/65 Duty, 1/9 Bias
Working Voltage	3.3V
Operating Temperature	-30°C to +70°C
Storage Temperature	-30°C to +85°C
FPC Connector	15PIN, ZIF type
FPC Pitch	0.5mm
Driver IC	ST7567S
Interface	SPI
Backlight Type	2-LEDs, White, 30mA
Outline Dimension	26.70(W) × 19.26(H) × 1.80(T) mm
View Area	22.94(W) × 12.06(H) mm
Active Area	21.744(W) × 10.864(H) mm

#### Display Characteristics

**High Resolution:** 128x64 dot matrix provides clear display of characters, graphics, and simple images for industrial control and instrumentation applications.

**Efficient Interface:** SPI communication protocol minimizes hardware resource requirements and simplifies PCB layout design.

**Enhanced Visibility:** White backlight ensures clear viewing in low-light conditions with high contrast ratio.

**Sunlight Readability:** Reflective technology maintains excellent visibility in bright environments without excessive power consumption.

#### Applications

**Industrial Control:** Equipment status monitoring, parameter settings, and alarm displays for automation systems.

**Instrumentation:** Measurement data display for multimeters, oscilloscopes, flow meters, and temperature monitoring devices.

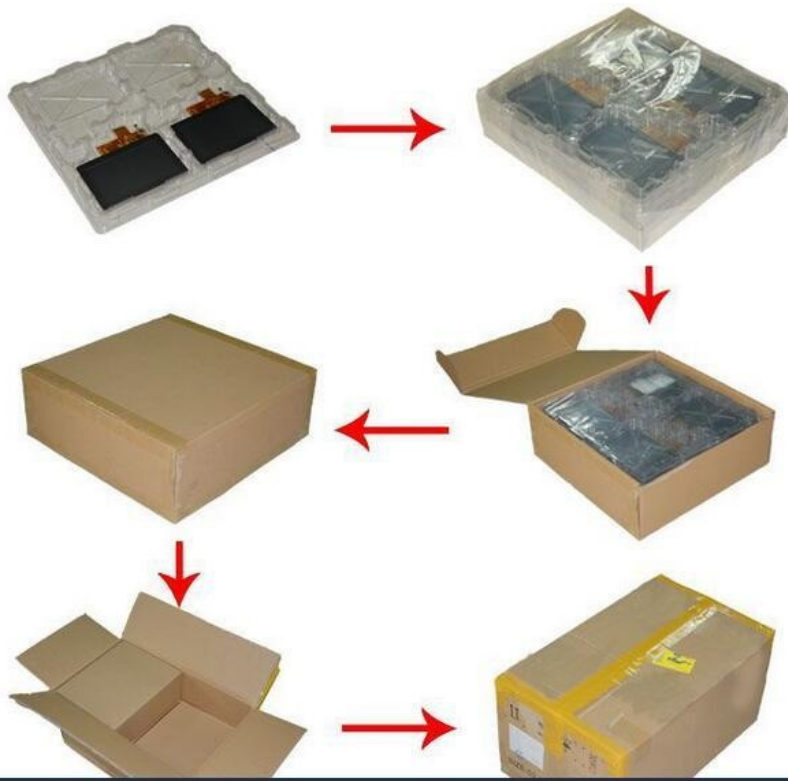
**Communication Products:** Status indicators and connection information for modems, routers, and wireless terminals.

**Medical Equipment:** Data display for blood glucose meters, blood pressure monitors, ECG machines, and other medical devices.



### Packaging & Shipping

**Packaging:** Customized packaging options including carton boxes, cupboard, EPE, and blister trays based on product size and customer requirements.



**Shipping:** Multiple shipping methods available including DHL, FedEx, EMS, UPS, air shipping, and sea shipping.

						
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
<b>Notice</b>	<ol style="list-style-type: none"> <li>1. EMS for Brazil, Russia and Remote areas .</li> <li>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .</li> <li>3. Having logo product can' t be sent by FEDEX .</li> <li>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us !</li> </ol>					

**Payment Methods**



**Frequently Asked Questions**

**Q: Can you customize LCD displays with specific dimensions and digit configurations?**

**A:** Yes, we provide full customization services. Please provide your specifications, drawings, or samples for evaluation.

**Q: What if I need to modify the display size or content?**

**A:** Modifications require new tooling for custom LCD glass modules.

**Q: Do you offer samples for evaluation?**

**A:** Yes, sample orders are available for quality verification.

**Q: What is your typical lead time?**

**A:** Standard products ship within 1 day after payment. Custom orders typically require 15-30 days for production.

**Our Services**

- Free repair within one year after shipment
- Replacement within 30 days for product-related issues
- Custom logo printing and model number application
- Professional technical support and after-sales service
- Comprehensive quality control and testing before shipment
- 24-hour customer response time for all inquiries

## Industry Applications

**Household Appliances:** Refrigerators, air conditioners, microwave ovens, and other consumer electronics

**Automotive Electronics:** Navigation systems, audio equipment, reverse cameras, and security devices

**Financial Equipment:** POS machines, tax control systems, banknote counters, and financial terminals

**Fitness Equipment:** Treadmills, exercise bikes, pedometers, and health monitoring devices



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