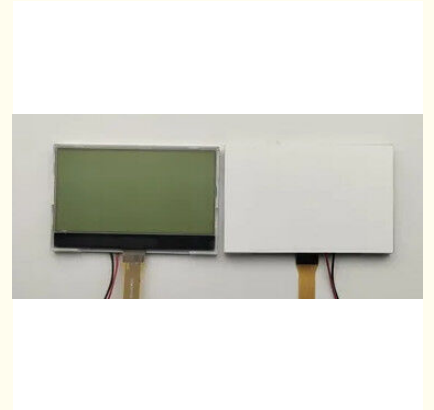


2.48 Inch Graphic LCD Display 128x64 Pixels STN Yellow Green With White Backlight for Industrial and DIY Applications

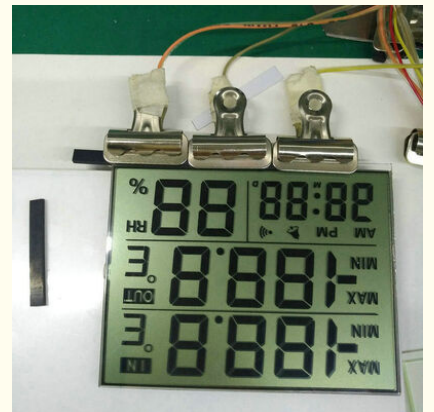
Basic Information

- 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

- Name: Graphic LCD Display
- Fpc: 12pin
- Voltage: 3.0V
- Operating Temperature: -20°C To 70°C
- Dot Matrix: 128*64 Dots
- Driver Ic: ST7567
- Display Type: LCD
- Highlight: 2.48 Inch Graphic LCD Display,
Graphic LCD Display 128x64,
White Backlight LCD Display 12864



Product Description

2.48 Inch Graphic LCD Display 128x64 Pixels STN Yellow Green With White Backlight

This 2.48-inch graphic LCD display features 128x64 pixel resolution with STN yellow-green technology and white backlight, offering excellent contrast and wide viewing angles for various industrial and electronic applications.

How to Use

Powering the Display: Ensure correct operating voltage (typically 3.3V). For 5V systems, a level shifter may be required for SPI signals.

Communication Interface: Primarily uses SPI interface requiring SCK, MOSI, CS, A0 (D/C), and RST pins. Some modules also support parallel communication.

Library & Code Support: Arduino compatible with U8g2 or Adafruit GFX libraries. Raspberry Pi compatible with Python libraries like Luma.LCD.

Displaying Graphics/Text: Use buffer for pixel data transmission via SPI. Supports bitmap graphics with image conversion to pixel matrix.

Initialization Sequence: ST7567 driver requires specific initialization including display ON/OFF, contrast adjustment, bias settings, and column/page addressing.

Detailed Specifications

Parameter	Specification
Model Number	GY12864-2452
LCD Type	STN (Yellow-Green), Positive
Polarizer Type	Transmissive
Viewing Angle	12 O'clock
Resolution	128x64 dots
Drive Method	1/65 Duty, 1/9 Bias
Working Voltage	3.0V
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C
FPC Connector	12PIN, socket type
FPC Pitch	0.5 mm
Connector Type	COG+FPC
Driver IC	ST7567
Interface	SPI
Backlight Type	3-LEDs, White
Power Consumption	VF=3.0V, IF=45mA
Outline Dimension	67.00(W) × 43.50(H) × 5.15(T) mm
View Area	62.00(W) × 32.00(H) mm
Dot Size	0.42(W) × 0.42(H) mm

Product Introduction

Display Technology: STN (Super Twisted Nematic) liquid crystal technology with excellent contrast and viewing angles

Resolution: 128x64 pixels for displaying graphics, characters, and icons

Backlight Options: Yellow-green for strong light visibility and white for softer display effects

Interface Support: MCU interface for Arduino, C8051, and other microcontrollers; supports SPI and I2C interfaces

Operating Conditions: 3.3V or 5V operation, -20°C to 70°C temperature range, RoHS compliant with ESD protection up to 8KV

Product Applications

Instrumentation: Multimeters, thermometers, hygrometers with high contrast and wide temperature operation

Industrial Control: PLC controllers, automation panels with stable performance and anti-interference capabilities

Smart Home: Control panels for temperature, humidity, and status monitoring with low power consumption

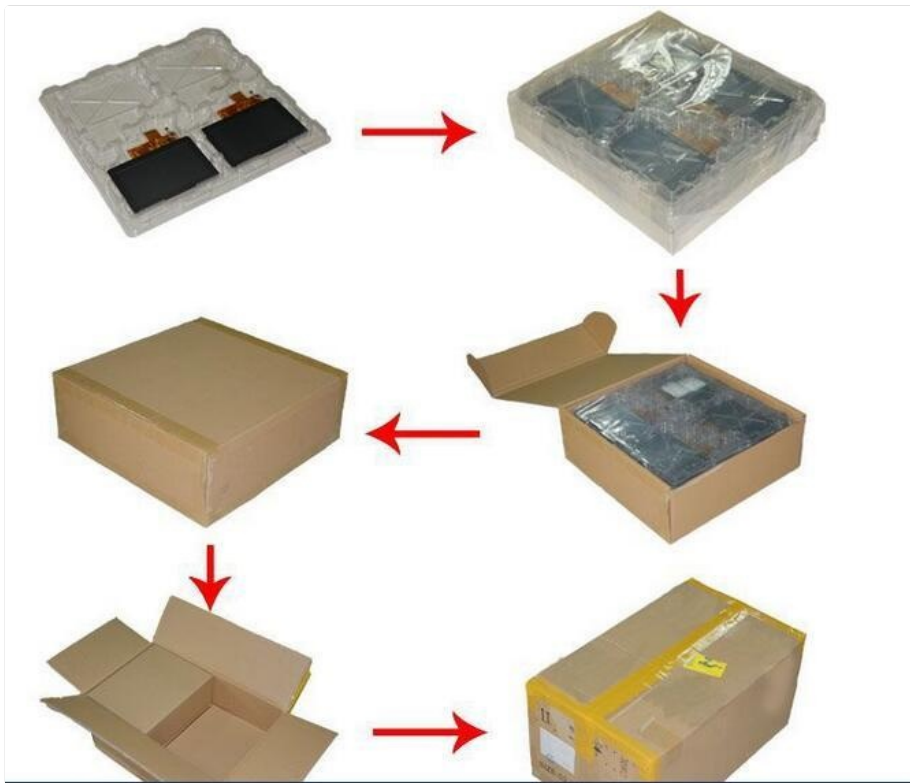
Electronic DIY Projects: Electronic clocks, calculators, dashboards with easy programming and basic display requirements

Medical Equipment: Blood pressure monitors, glucose meters with stable display and wide viewing angles



Packaging & Shipping

Packaging: Carton boxes, cupboard, EPE, blister tray. Packaging method depends on product size and customer requirements.



Shipping: Express services including DHL, FedEx, EMS, UPS, air shipping, and sea shipping based on customer preference.

						
	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 Methods



Frequently Asked Questions

I want an LCD display with 8 digits and outline size of 65x30x2.8mm. Is this possible?

Yes, please send us your specifications or drawing. If unavailable, provide samples and we'll recommend suitable products or customize to your requirements.

This LCD is what we need but the size is too large. Do you have smaller sizes?

For segment type LCD modules requiring size or display content modifications, new tooling is required for custom LCD glass modules.

This LCD display is HTN type, but I want STN type. Can you make this?

Yes, we can modify the display type according to your specifications.

Can you customize a new LCD module for us?

Yes, we provide full customization services. Please provide drawings or specifications including outline size, display information, glass thickness, polarizer, connector mode, and operating conditions.

What is the lead time for tooling?

Typically 15-25 days after drawing confirmation and tooling payment. Exact timing will be provided upon drawing approval.

Can you send samples for evaluation?

Yes, sample orders are available for product verification.

What is the production lead time?

Standard products: 1 day after payment. Custom production: 15-30 days with advance notification if completed earlier.

Our Services

- Free repair within one year after shipment
- Replacement within 30 days for product-related issues
- Custom logo printing and model number application
- Competitive shipping rates through established partnerships
- Professional technical support and responsive after-sales service
- Comprehensive quality control and testing before shipment
- 24-hour response time for customer inquiries and support
- Full customization services for all types of LCD displays



Dongguan Bibuke Electronic Technology Co., Ltd.



+8613711912723



Jack@smartwinlcd.cn



lcdtftscreen.com

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