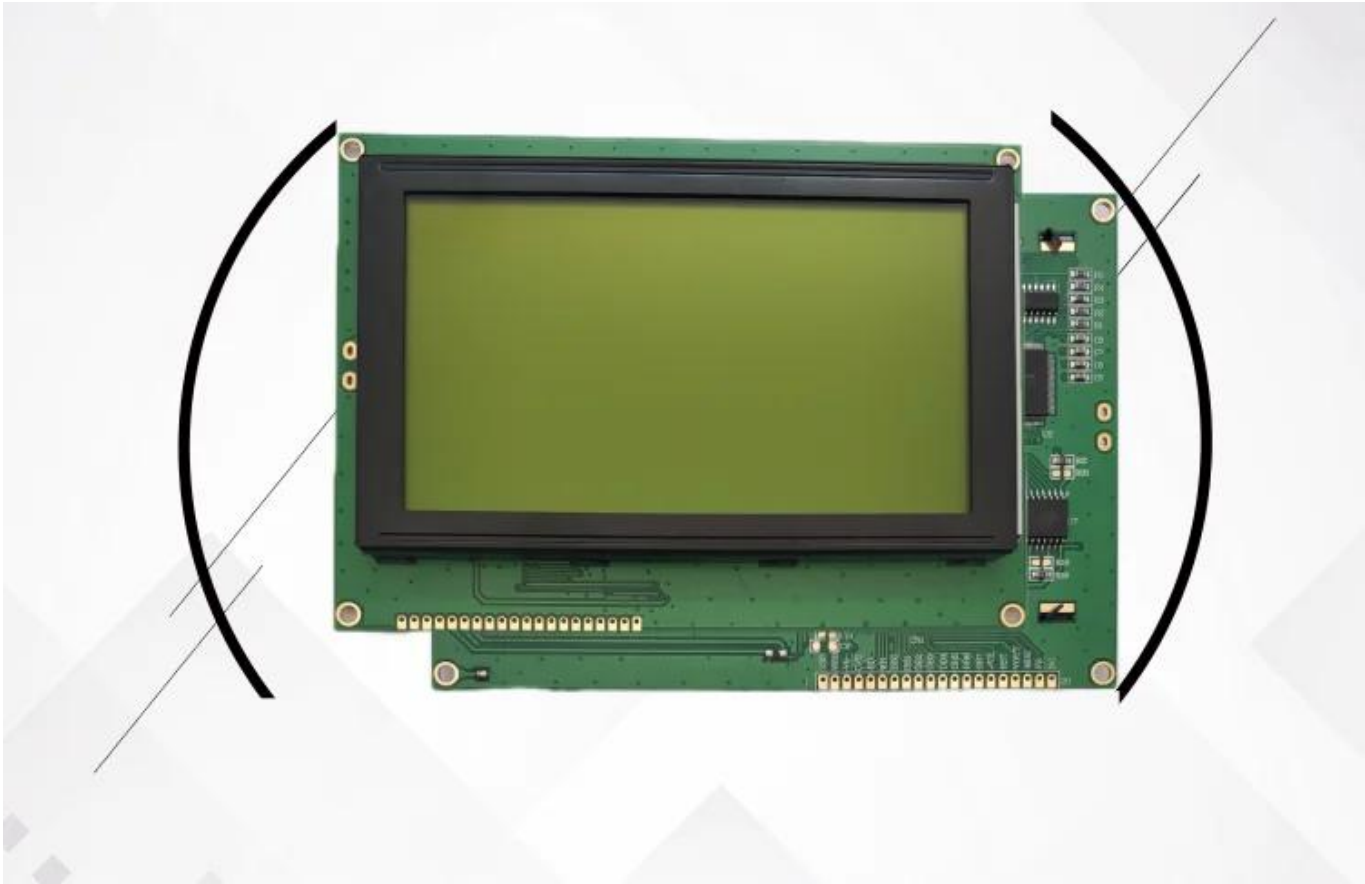
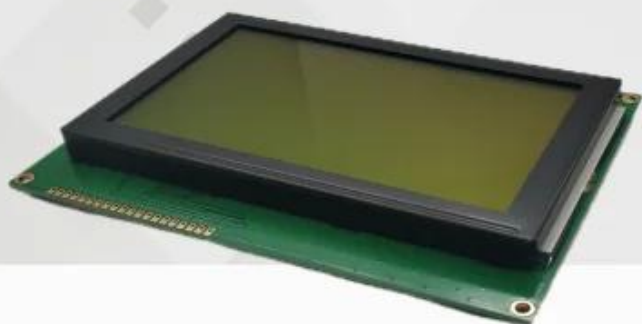


# Monochrome Graphical Display 240x128 Graphic LCD

## Display 240x128 Dots Graphic LCD Modules

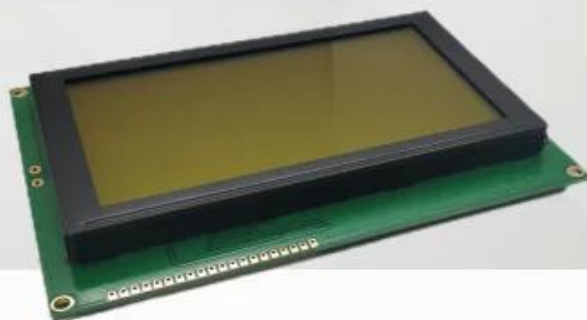


| Product Specification                            |                  |   |                    |             |                    |         |
|--|------------------|---|--------------------|-------------|--------------------|---------|
| LCD Name   |                  | Monochrome Graphical Display 240x128 Graphic LCD Display 240x128 Dots Graphic LCD Modules |                    |             |                    |         |
| Display Format                                   |                  | 240*128 Dots  |                    |             |                    |         |
| Module Size                                      |                  | 144.0mm×104.0mm×12.8mm  |                    |             |                    |         |
| View Area  |                  | 114.0mm×64.0mm  |                    |             |                    |         |
| Active Area                                      |                  | 107.95mm×57.55mm  |                    |             |                    |         |
| Dot Size   |                  | 0.4mm×0.4mm   |                    |             |                    |         |
| Dot Pitch  |                  | 0.45mm×0.45mm   |                    |             |                    |         |
| IC   |                  | T6963C  |                    |             |                    |         |
| Interface  |                  | 20 Pin, 8-bit 6800/6809 MPU interface enabled   |                    |             |                    |         |
| Driving Method                                   |                  | 1/128 Duty, 1/12 Bias   |                    |             |                    |         |
| Viewing Direction                                |                  | 6 O'clock   |                    |             |                    |         |
| Operating Temperature                            |                  | -20℃~+70℃   |                    |             |                    |         |
| Storage Temperature                              |                  | -30℃~+80℃   |                    |             |                    |         |
| Different series type LCD mode for you to choose |                  |   |                    |             |                    |         |
| No.  | Part Number      | LCD Type  | Backlight Color    | Font Color  | Background Color   | Voltage |
| 1  | WG241282SBYG8-A1 | STN 1-G Positive  | Yellow Green Color | Black Color | Yellow Green Color | 5V      |
| 2  | WG241282SKW8-A1  | STN Grey Positive   | White Color        | Black Color | Grey Color         | 5V      |
| 3  | WG241282SGW8-A1  | STN Negative Blue   | White Color        | White Color | Blue Color         | 5V      |



240x128 COB Graphic  
LCD Module

STN LCD Mode



6 O'clock Viewing Direction



## Different Series For You To Choose



White text  
on  
Blue background

1



Black text  
on  
Grey background

2



Black text  
on  
Yellow green background

3

**A WG2412B2 is a specific model of a 240x128 LCD display. It is a liquid crystal display (LCD) with a resolution of 240 pixels in width and 128 pixels in height. The WG2412B2 display consists of a grid of tiny pixels that can individually change their opacity to create images or text.**

**To use the WG2412B2 LCD display, it is typically connected to a microcontroller or similar device to send commands and data to the display. The display usually includes a controller chip that interprets these commands and controls the pixels accordingly. Programming languages like C or Arduino can be used to send commands and data to the WG2412B2 display, instructing it to show specific images or text.**

**There are several reasons to choose the WG2412B2 LCD display:**

1. Compact size: The WG2412B2 display with a resolution of 240x128 allows for a relatively small display size, making it suitable for applications with limited space.
2. Adequate resolution: The 240x128 resolution of the WG2412B2 display is sufficient for displaying simple graphics, icons, and text in many applications.
3. Cost-effective: Compared to higher-resolution displays, the WG2412B2 LCD display is often more affordable, making it a cost-effective choice for projects with budget constraints.
4. Low power consumption: The WG2412B2 LCD display, like other LCD displays, generally consumes less power compared to other display technologies, making it suitable for battery-powered devices or applications where power efficiency is important.
5. Wide availability: The WG2412B2 LCD display is widely available in the market, making it easy to source for various projects.

**Ultimately, the choice of the WG2412B2 LCD display depends on the specific requirements of the**

**project, such as size constraints, budget, and desired functionality. It can be used in various applications, including:**

- Industrial equipment
- Medical devices
- Consumer electronics
- Instrumentation and measurement devices
- Automotive applications
- Home automation and control systems

**The WG2412B2 LCD display can provide visual feedback, status information, user interfaces, display menus, icons, basic graphics, readings, waveforms, measurement results, and more.**