

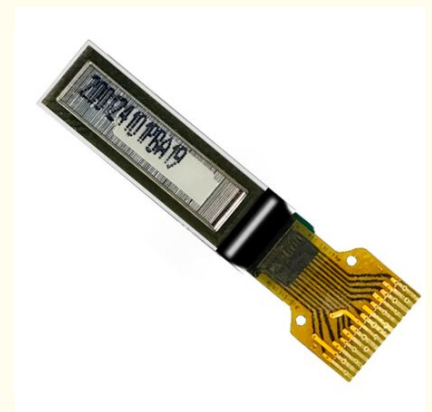
0.63 Inch Monochrome White 120x28 Pixels OLED Display Module PMOLED Screen

Basic Information



Product Specification

- Surface Luminance: 60 Cd/m2(nits)
- Operating Temperature: -40~+85
- Pixel Pitch: 0.13 X 0.13 (mm)
- Viewing Direction: All Viewing Angles
- Pin Number: 14 Pins (Can Be Customized)
- Connect: Soldering/Hotbar (customizable)
- Drive Duty: 1/28 Duty
- Outline Dimension: 21.54 X 6.62 X 1.22 (mm)
- Highlight: **0.63 Inch OLED Display Module, 120x28 Pixels PMOLED Display, Monochrome White OLED Screen**



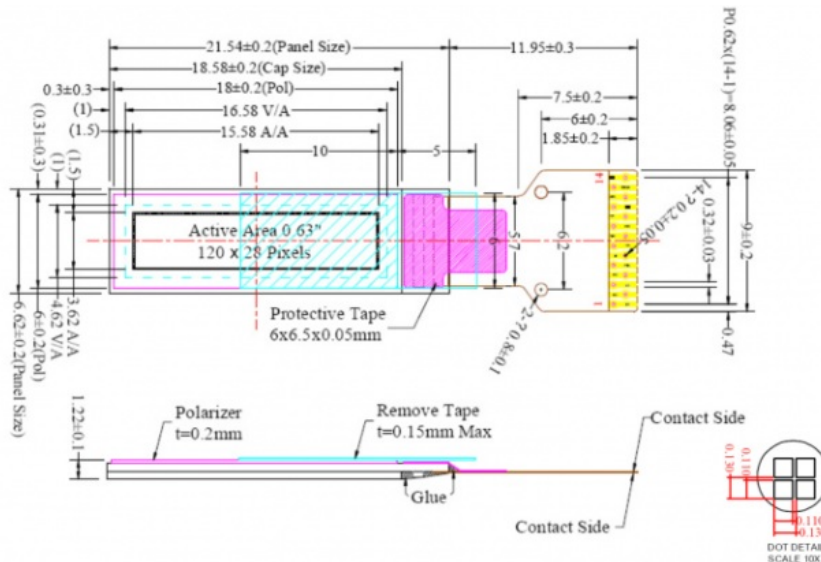
Product Description

Monochrome White Color 0.63 Inch 120x28 Pixels OLED Display Module

Ultra-small passive matrix OLED display module with high contrast and low power consumption, ideal for space-constrained applications.

Technical Specifications

Parameter	Specification
Product	0.63 Inch OLED Display Module
Driver IC	SSD1312 Or Equivalent
Interface	I2C
Display Color	Monochrome (white)
Number Of Pixels	120x28 Pixels
Display Mode	Passive Matrix
Drive Duty	1/28 Duty
Panel Size	21.54 X 6.62 X 1.22 (mm)
Active Area	15.58 X 3.62 (mm)
Pixel Pitch	0.13 X 0.13 (mm)
Pixel Size	0.11 X 0.11 (mm)
Pin Number	14 Pins (Can Be Customized)
Viewing Direction	All Viewing Angles
Connection	Soldering/Hotbar (customizable)
Life Time	50,000 Hours @60cd/m2



Product Overview

This ultra-small passive matrix (PMOLED) single-color white display module features a diagonal size of only 0.63 inches with a pixel resolution of 120×28. Utilizing the dedicated SSD1312 driver IC with standard I2C communication interface (14PIN FPC soldered type), this module requires no additional backlight and features self-illuminating pixels.

Size parameters: Module size 21.54×6.62×1.22mm, display area 15.58×3.62mm, thickness only 1.22mm, making it extremely lightweight and thin, suitable for installation in very small spaces.

Electrical and display characteristics: Typical operating voltage 2.8V, extremely low power consumption (VDD operating current approximately 180μA), high contrast, viewing angle close to 180° full viewing angle, fast response speed, and stable operation within a wide temperature range of -40°C to +85°C.

Compatibility: The driver IC SSD1312 is highly compatible with the instruction set of SSD1306, allowing direct adaptation to mainstream MCUs

such as Arduino, STM32, ESP32, Raspberry Pi, with abundant development resources available.

Environmental compliance: Compliant with RoHS standards, containing no harmful substances.

Core Applications

Wearable Devices: Smart bracelets, sports watches, Bluetooth headphones, status bars of smart glasses, displaying concise information such as time, steps, battery level, Bluetooth connection status

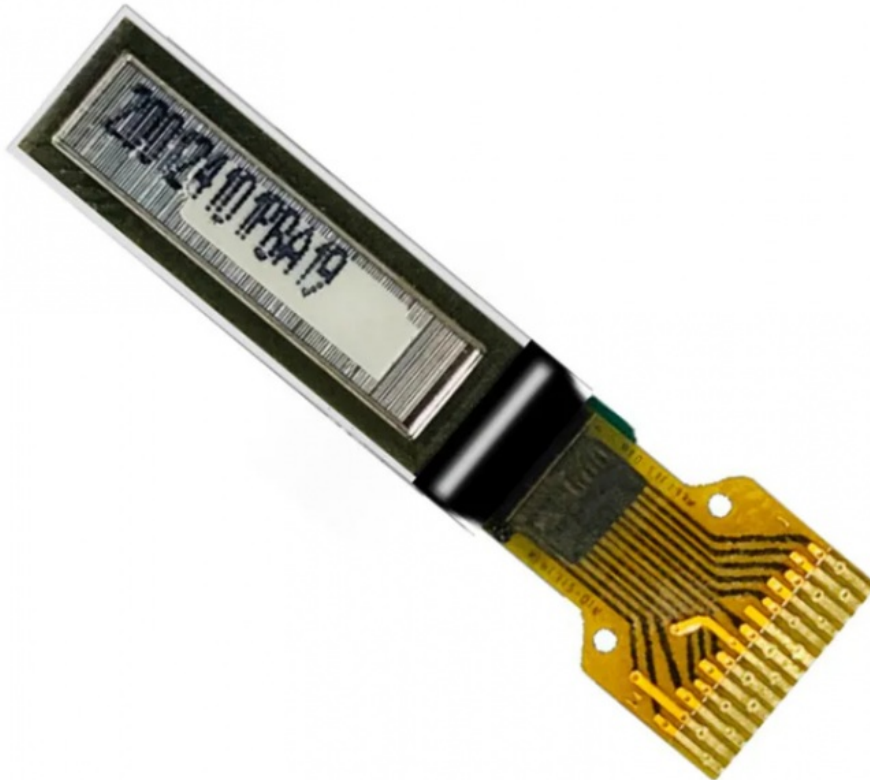
Portable / Medical Health Devices: Mini blood pressure monitors, pulse oximeters, heart rate monitors, insulin pumps, used to display key physiological parameters and working status

Smart Home and Internet of Things Terminals: Smart sockets, sensor nodes, small controllers, remote control panels, showing working mode, battery level, signal strength

Audio and Portable Digital: MP3 players, voice recorders, miniature radios, displaying tracks, volume, playback status

Industrial Instruments and Embedded Devices: Small flow meters, pressure sensors, vehicle-mounted miniature instruments, capable of stably displaying data in narrow, vibrating, and temperature-differential environments

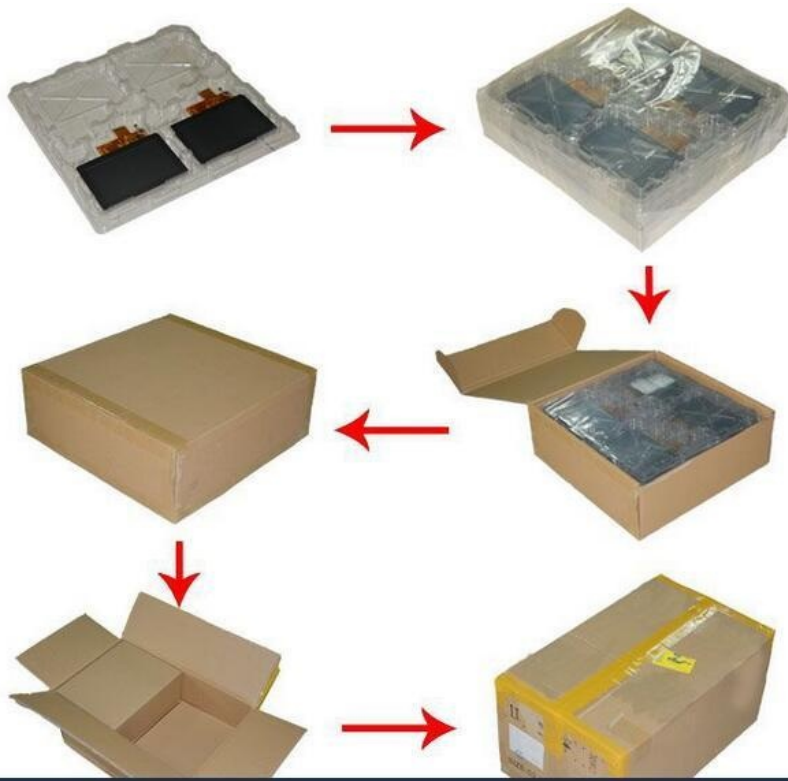
Maker DIY and Prototype Development: Suitable for rapid verification of small electronic projects with strict size and power consumption limitations





Packaging & Shipping

Packaging: Carton boxes, Cupboard, EPE, Blister Tray. Packaging methods vary based on product size and customer requirements, with different countries having specific requirements.



Shipping: Express services including DHL, Fedex, EMS, UPS, air shipping, and sea shipping. Any preferred shipping method available.

						
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
Notice	<ol style="list-style-type: none"> 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: Various payment options available.



Frequently Asked Questions

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

Answer: No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we will recommend suitable products if they are standard, or we can customize based on your requirements.

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 segment type LCD modules, if you need to modify the outline size or display content, a new LCD glass module is required. We will need to create 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 the type according to your request.

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

Answer: Yes, we can. Please send your drawing paper. If you don't have one, please provide the outline size of the LCD display, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive condition), and we can customize for you.

5. What is the lead time for tooling?

Answer: Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We can provide the exact time when you confirm the drawing paper.

6. Can you send us samples for checking?

Answer: Yes. Sample orders are available.

7. What is the Lead Time?

Answer: If we have stock for standard products, the lead time is one day after payment. For mass production of special products, the lead time is about 15-30 days. If we can finish earlier, we will report the information in advance.



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