

INDUSTRIAL PRODUCT DATASHEET

1.3inch OLED 128*64-White-FPC

1.3inch OLED 128*64-White-FPC: high-contrast, low-power 128×64 white OLED display with SSD1306 compatibility and FPC interface.

SKU

100015674

UPDATED

2026-08-10 05:57:47

PRICE

\$4.99(Excl. VAT)



Overview



The 1.3inch OLED 128*64-White-FPC provides a crisp 128×64 white OLED display with high contrast (>10,000:1) and a wide viewing angle (>160°). It features low power consumption (<20mA), fast response time, long lifetime (>20,000 hours), SSD1306-compatible driver, and a flexible FPC interface for compact integration.

Key Features

- **High Contrast Display:**

Provides a crisp 128×64 white OLED output with a contrast ratio typical of >10,000:1, ensuring excellent readability even in low-light environments.

- **Wide Viewing Angle:**

Delivers clear visibility across >160° viewing range, thanks to the self-emissive OLED technology that avoids brightness drop at extreme angles.

- **Low Power Consumption:**

Operates efficiently with typical current consumption under 20mA, making it ideal for battery-powered IoT, wearables, and portable devices.

- **SSD1306-Compatible Driver:**

Fully compatible with the popular SSD1306 controller, allowing seamless integration with Arduino, Raspberry Pi, and other microcontroller platforms via I²C/SPI interfaces.

(Example: compatible with controllers similar to the one used in the Seeeduino V4.2)

- **Flexible FPC Interface:**

Features a thin FPC connector design that supports easy mounting and integration into compact enclosures, enhancing mechanical flexibility for embedded applications.

- **Fast Response Time:**

OLED technology enables sub-millisecond response speeds, producing smooth animations and real-time UI transitions without motion blur.

- **Long Lifetime:**

High-quality OLED panel provides a typical lifetime exceeding 20,000 hours, ensuring stable performance in long-term deployments.

Product Gallery



Specification

Parameter	Specification
Display Size	1.3 inch
Resolution	128 × 64 Dots

Display Color	White monochrome OLED
Driver IC	CH1116G
Drive Duty	1/64
Operating Voltage	3.0V – 5.0V (typical)
Operating Current	< 20 mA (typical)
View Direction	ALL
Contrast Ratio	Typically >10,000:1
Operating Temperature	-40°C to +80°C
Storage Temperature	-40°C to +85°C
Interface	8-bit68XX/80XX,3/4-wireSPI, I2C
Interface Type	Flexible FPC connector
Module size	34.5mm(W)x23.0mm(H)x1.47mm(T)
Active Area	29.42mm(W) x 14.7mm(H)
Pixel Pitch	0.23mm(W)x0.23mm(H)
Pixel Size	0.21mm(W)x0.21mm(H)
IC package type	COG

Part List

1.3inch OLED 128*64-White-FPC	x1
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Compliance & Logistics

HSCODE	8524929090
USHSCODE	8524119000
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/1-3inch-OLED-128-64-White-FPC-p-6614.html>
- [1.3inchOLED128*64-White-FPCDatasheet](#)

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