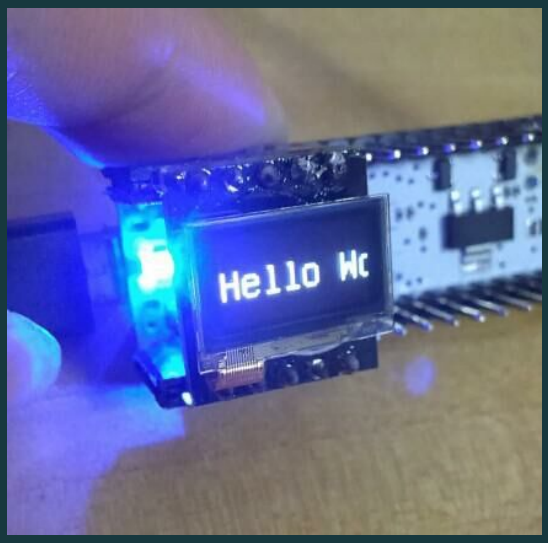
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INDUSTRIAL PRODUCT DATASHEET

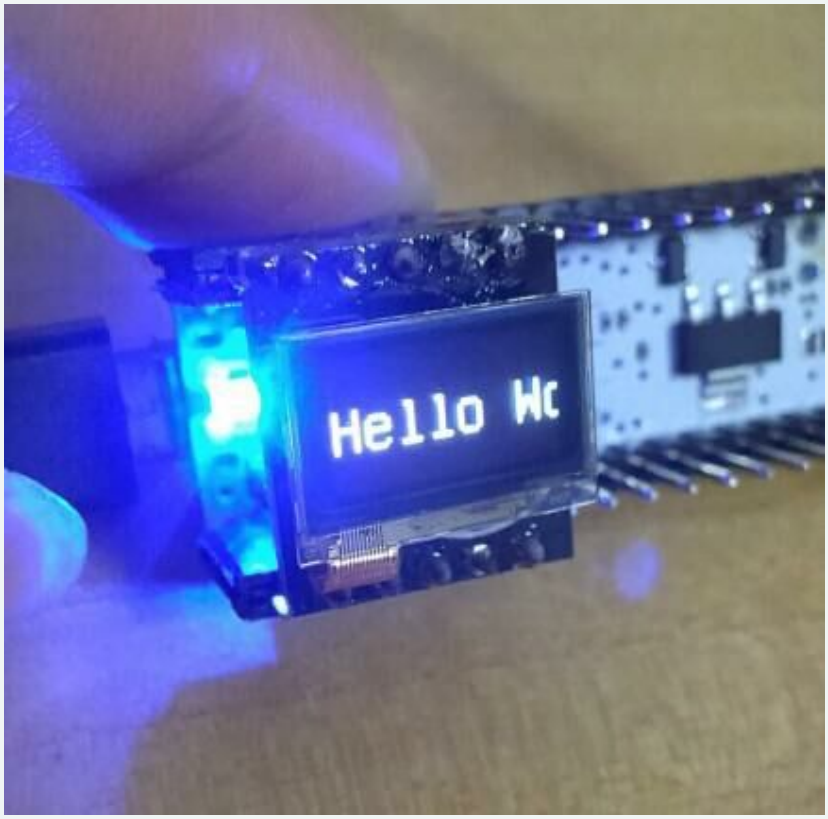
# 0.5 Inch OLED display Arduino shield

OCELL is the smallest Arduino OLED display shield, offering a high-contrast, low-power 0.5-inch 60x32 white OLED with SPI/I2C interface.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 308020004 | 2026-09-20 06:37:40 | $15.00(Excl. VAT) |



# Overview




The OCELL 0.5-inch OLED Arduino shield is an ultra-compact 60x32 monochrome white PM-OLED display module with high contrast (2000:1), 450 cd/m² brightness, and very low power consumption without backlight. It connects directly to Arduino or other microcontrollers via SPI or I2C and is supported by the U8glib library.

# Key Features

OCELL is a 0.5 inch OLED module designed as a  Arduino shield and also available for other  micro controllers . It is the smallest Arduino display module you can find so far.

You could connect it to Ardunio micro directly without doing any PCB layout and also available for other controllers . It is a good choice for a DIYer to make a project which need a tiny COOL OLED display.

**Features**

- The smallest size in all Arduino display modules so far.
- Very high contrast and brightness.
- Very low power consumption
- No backlight required
- Supported by U8glib library

**High light**

These OLED displays are small, only about 0.5" diameter, but very readable due to the high contrast (450cd/m^2 brightness). This display is made of 60x32 individual white OLED pixels, each one is turned on or off by the controller chip. Because the display makes its own light, no backlight is required. This reduces the power required to run the OLED and is why the display has such high contrast and very low power consumption.

**Specification**

- PCB dimensions: 17.8mm X 15.5mm
- Screen size: 0.5 (inch) W. H: 15.30x10.20 mm
- Color: Monochrome (white)
- OLED  type: PM -OLED
- OLED driver: LD7032
- Pixels : 60 x 32
- Contrast: 2000: 1
- Communication: SPI, I2C

**Note**

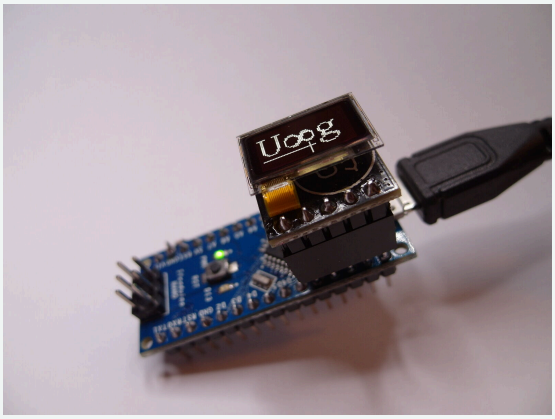
- 1 pc OCELL includes: 1x module PCB , 1x OLED display , 1x10 pins header
- Does not include: Arduino

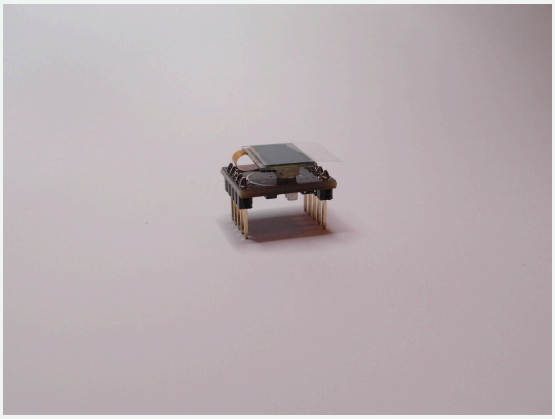
**Documents**

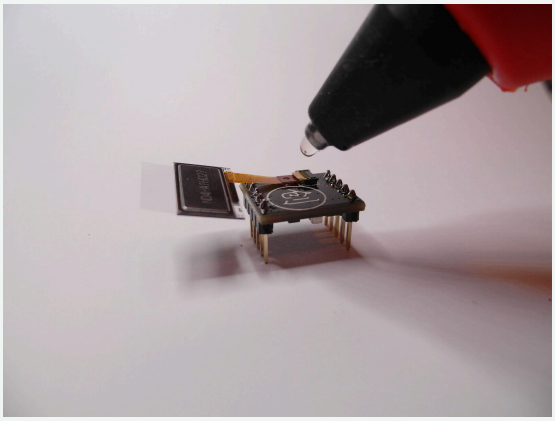
- U8glib Library download: **Library**

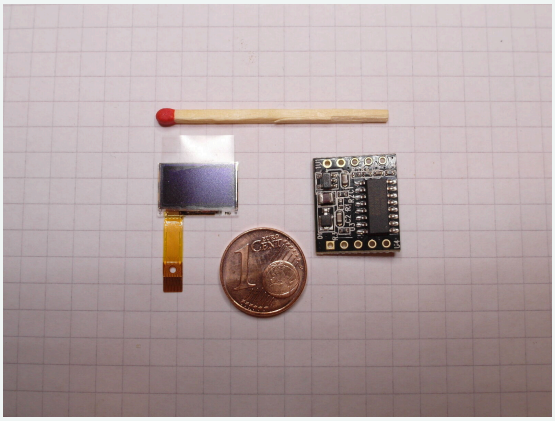
- U8lib libary WIKI: **https://code.google.com/p/u8glib/wiki/gallery**
- OCELL User Guide: **uesr guide**, **0.5 OLED SPEC**, **Device Spec**
- For any technical support or suggestion, please kindly go to our **forum**.

# Product Gallery









## Compliance & Logistics




| | |
|---|---|
| HSCODE | 8531200000 |
| USHSCODE | 8531200020 |
| UPC | 841454116912 |
| EUHSCODE | 8531202090 |
| COO | CHINA |

# Resource Links

- https://www.seeedstudio.com/0-5-Inch-OLED-display-Arduino-shield-p-2194.html

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