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## Overview

This xCHIP forms part of the output modules and is equipped with an OLED (<https://en.wikipedia.org/wiki/OLED>) display unit that is capable of displaying any graphics or text. Very useful as a sensor data display.

### Product Highlights

- Monochrome OLED Display
- 128 x 64 dot matrix
- Built-in controller
- Based on SSD1306

## Applications

- Graphical Interfaces
- Sensor Readout Display
- Game Interface
- Data Graph Display

## Specifications

- Resolution: 128 x 64 dot matrix panel
- 256 step contrast brightness current control
- Embedded 128 x 64 bit SRAM display buffer
- Screen saving continuous scrolling function in both horizontal and vertical direction
- RAM write synchronization signal
- Programmable Frame Rate and Multiplexing Ratio
- Row Re-mapping and Column Re-mapping
- On-Chip Oscillator
- Wide range of operating temperature: -40°C to 85°C

## External Links

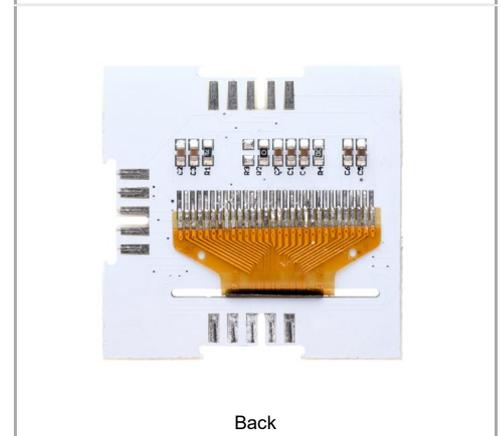
### GitHub

- OD01 on GitHub (<https://github.com/xinabox/xOD01>)

## OD01 - OLED Display 128x64 (SSD1306)



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### XCHIP

<b>Main Category</b>	Output
<b>Sub Category</b>	Display
<b>Introduced</b>	1 January 2017
<b>Current version</b>	1.0.0
<b>Current version date</b>	1 January 2017
<b>Dimensions</b>	
<b>Size</b>	2x2U (32x32mm)
<b>Weight</b>	4.4 g
<b>Height</b>	4/1.4/1 mm
<b>Non-XBUS Connections</b>	
<b>West</b>	No Connection
<b>Main Chip Set</b>	
<b>Main Chip</b>	SSD1306
<b>I<sup>2</sup>C Configuration</b>	
<b>Default Address</b>	0x3C