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HiLetgo 0.95" Inch 7 Pin Colorful 65K SPI OLED Display Module SSD1331 96 * 64 Resolution for Arduino 51 STM32

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4.3 90 ratings | [Search this page](#)

\$12⁹⁹

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About this item

- Main Driver:SSD1331
- Resolution:96*64
- 0.95 inch Colorful OLED
- Draw speed is responsive
- Easy to Set Up: Easy to work with and requires no soldering for the header pins

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Quantity: 1

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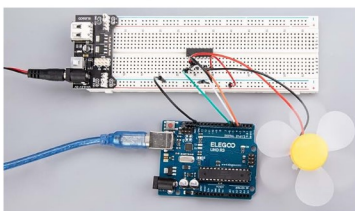
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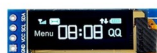
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\$18⁹⁹



Digilent Arty S7:
Spartan-7 FPGA Board
for Makers and Hobbyists
(Arty S7-25)
34
\$99⁰⁰

Product details

Is Discontinued By Manufacturer : No

Package Dimensions : 3.74 x 2.24 x 0.75 inches; 0.32 ounces

Item model number : 3-01-1401

Date First Available : May 19, 2017

Manufacturer : HiLetgo

ASIN : B0711RKXB5

Best Sellers Rank: #471 in Single Board Computers (Computers & Accessories)

Customer Reviews:

4.3 90 ratings

Product Description

Pin Description:

- 1.GND-Ground
- 2.VCC-Positive Voltage(2.8-5.5V)
- 3.SCL-Clock Line
- 4.SDA-Data Line
- 5.RES-Reset
- 6.DC-Data/Demand
- 7.CS-Chip Select

The use of OLED technology offers the following advantages for flat-panel displays?

1. A simplified manufacturing process compared to TFT-LC
2. Self-emitting light, in contrast to the required backlight for TFT-LCD
3. High luminosity
4. Lightweight and thin
5. Capable of wide viewing angles
6. Low operating voltage and power consumption
7. Quick response
8. Wide range of operating temperatures (-40c to 85c)

How Does OLED Emit Light?

OLED's basic structure consists of organic materials positioned between the cathode and the anode, which is composed of electric conductive transparent Indium Tin Oxide (ITO). The organic materials compose a multi-layered thin film, which includes the Hole Transporting Layer (HTL), Emission Layer (EML) and the Electron Transporting Layer (ETL). By applying the appropriate electric voltage, holes and electrons are injected into the EML from the anode and the cathode, respectively. The holes and electrons combine inside the EML to form excitons, after which electroluminescence occurs. The transfer material, emission layer material and choice of electrode are the key factors that determine the quality of OLED components.

Package Included:

1* SSD1331 0.95" Inch 7 Pin Full Color 65K SPI OLED Display Module

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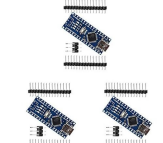
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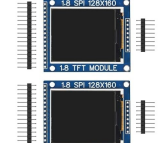
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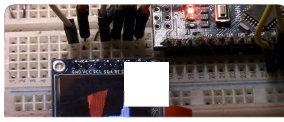
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Videos

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Videos for this product



4:40

Customer Review: Perfect for wearables
Slider2732



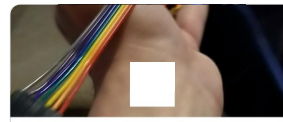
0:21

Customer Review: Works fine with ESP32 with Arduino IDE
Frank W.



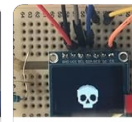
0:36

Customer Review: Great display!
APS



0:39

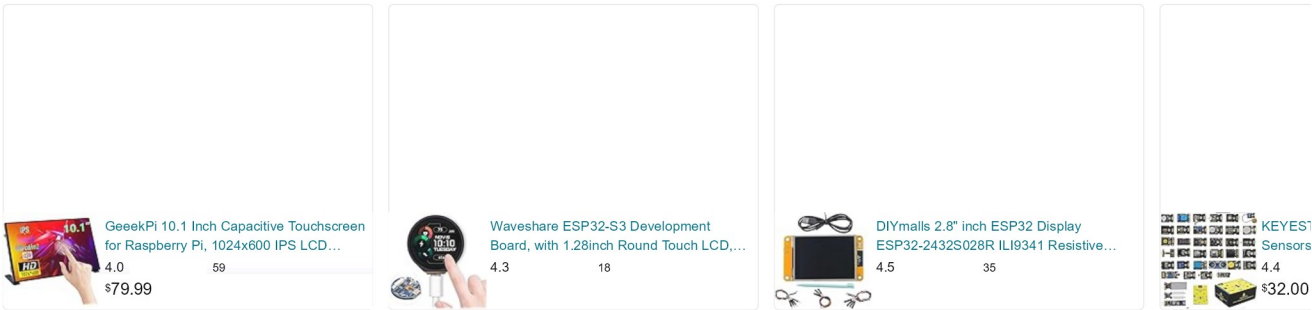
Customer Review: Great
Sean Galt



https://github.com/manbehndt
Kevin Eales

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Search in reviews, Q&A...

Customer reviews

4.3 out of 5

90 global ratings



How customer reviews and ratings work

Review this product

Share your thoughts with other customers

Write a customer review

Customers say

Customers like the functionality, color display, and ease of use of the LCD graphic display. They mention it works great with both an Arduino and a Raspberry Pi, runs faultlessly on all three, and is a real RGB display. Some appreciate the high contrast and viewing distance.

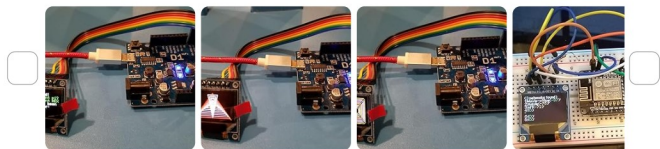
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Select to learn more

Functionality Color display Ease of use Brightness Value for money

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Top reviews from the United States



Nice OLED color display that is easy to use!

Reviewed in the United States on August 29, 2019

Verified Purchase

This review is for HiLetgo 0.95" Inch 65K SPI OLED display. In term of hardware, the oled display has seven pins in total and five of the pins are used for the SPI interface. In term of software, if you plan use Arduino IDE, Adafruit has good driver support on this. Just search for "SSD1331" under library manager, you can install the driver easily. The nice thing about this driver is that it supports software SPI meaning that you can use any pins for the SPI interface. Of course, it will be slower than hardware SPI. However, for the sake of sanity test of this color OLED display, I just want to make the wire connections as easy as possible. Initially, when I received the display, I was worry that the screen is too small, but it turns out both color and text from the display are very sharp and crispy. Due to the high contrast, the viewing distance is quite good despite the screen size is only 0.95 inch. It also has wide angle range of display. I would highly recommend this color display for any project that requires a small color display (e.g. wearable, IoT).



4 people found this helpful

Helpful Report



Works fine with ESP32 with Arduino IDE

Reviewed in the United States on June 18, 2023

Verified Purchase

Wrestled with this for a while then using advice from another reviewer, got it to work on an ESP32.

1. RandomNerdTutorials to get your ESP32 to work.
2. Added Libraries to IDE: Adafruit GFX and Adafruit SSD1331
3. File --> Examples (from Custom Libraries) --> Adafruit SSD 1331 OLED.... --> test
4. Then changed the '#define' pins to: sckl (SCL) 22; mosi (SDA) 21; cs(CS) 5; rst (RES) 17; dc (DC) 16
5. 'Selected (removed /) from the command

Read more

6 'De.Select (added //) in front of the Ontion 2 command
8 people found this helpful

Helpful

Report



paul

Very attractive and neat color display!

Reviewed in the United States on November 3, 2018

Verified Purchase

I bought this and an ESP8266 controller, both from HiLetgo to build an alarm clock that is time synchronized to an NTP server.

The instructions provided by HiLetgo on Amazon for the ESP8266 <https://smile.amazon.com/gp/product/B010N1SPRK> got me going very quickly, the only part I had to change was step 3 where it said use: esp8266com_index.json. This URL periodically seems to go off line, and was unavailable when I was setting up, so instead I downloaded the source, and used that locally.

Then I added this oled display from HiLetgo and ran an example sketch to display wifi networks.

The colors are bright and clear - and it seems to run fine from the onboard 3.3v supply provided by the ESP8266 controller.



2 people found this helpful

Helpful

Report



CompUser

Poor build quality

Reviewed in the United States on June 4, 2021

Verified Purchase

Using with Arduino. It initially didn't work. While I was fiddling around with it, it flickered. Investigating further, I found that it would work if I firmly held the flex cable against the PCB. Looks like a bad solder joint between the flex cable and the PCB. While it's on, though, it's a nice display. Very bright.

I decided to take a chance and retouch the solder. It seems to work OK now, but I really shouldn't have to do this. Knock off 2 stars for quality control.

One person found this helpful

Helpful

Report



Darron R. Birgenheier

Eye candy for the IoT world

Reviewed in the United States on September 1, 2018

Verified Purchase

A tiny color OLED? What's not to love. This thing will work with virtually any microcontroller, as programming libraries are widely available.

OLEDs have the distinct advantage of using power only for the pixels that are illuminated, so you may be able to save battery power with this. Of course, an e-paper display would be even better, power-wise, if you can cope with the very slow refresh rate. But color is just SO nice to make it quick and easy to draw your eye to a particular reading, and if it's flashing red- go turn off that boiler that you're monitoring (well, maybe don't use it for that).

Get this one here on Amazon, don't wait for the slow boat.



3 people found this helpful

Helpful

Report



APS

Great display!

Reviewed in the United States on March 3, 2022

Verified Purchase

Got this display at a great price. Was easy to set up and use. The resolution is great for text and small graphics. Worked on first test with the sample for the Arduino microcontroller.



4 people found this helpful

Helpful

Report

 Michael A Audet

Confirmed working on Raspberry Pi4 with Luma.Oled drivers SSD1331

Reviewed in the United States on March 7, 2020

Verified Purchase

Confirmed working on Raspberry Pi4!!

Do a search online for Luma.OLED for ssd1331 and follow the instructions for SPI pin out:

VCC (+3.3v power) to P01-17 3v3

GND (Ground) to P01-20 GND

SCL (known as D0 Clock) to P01-23 GPIO 11 (SCLK)

SCA (known as D1 MOSI) to P01-19 GPIO 10 (MOSI)

RST (reset) to P01-22 GPIO 25

DC (Data/Command) to P01-18 GPIO 24

CS (Chip Select) to P01-24 GPIO 8 (CE0)

Install the python lib per the instructions on their web site.

Once you do that.. launch python and just paste in the following and hit enter a few times after the cut-n-paste.

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