



## OLED Bonnet Pack for Raspberry Pi Zero - Includes Pi Zero W

PRODUCT ID: 3192

IN STOCK

1

ADD TO CART

☐ Also include 1 x 8 GB MicroSD Card with full PIXEL desktop NOOBS ()

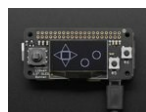
☐ Also include 1 x 5V 2.4A Switching Power Supply with 20AWG MicroUSB Cable ()

☐ Also include 1 x Mini HDMI Plug to Standard HDMI Jack Adapter ()

ADD TO WISHLIST

### DESCRIPTION

### TECHNICAL DETAILS



## DESCRIPTION

The **OLED Bonnet Pack for Raspberry Pi Zero** sets you up with the [Pi Zero W](#), and our popular [128x64 OLED Bonnet](#). It's [the big sister to our mini PiOLED add-on](#). This version has 128x64 pixels (instead of 128x32) and a much larger screen. With the OLED display in the center, we had some space on either side so we added a 5-way joystick and two pushbuttons. The OLED Bonnet is great for when you want to have a control interface for your project.

**Note:** Due to popular demand, there might be some delay in shipping products containing Pi Zero W!

These displays are small, only about 1.3" diagonal, but very readable due to the high contrast of an OLED display. This screen is made of 128x64 individual white OLED pixels and 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; we really like this miniature display for its crispness!

This pack includes:

- [Raspberry Pi Zero W](#) - the type of low-cost game-changing product Raspberry Pi's known for - the super light, super lean microcomputer we've come to know and love, but now with built-in WiFi
- [Adafruit 128x64 OLED Bonnet for Raspberry Pi](#) - 128x64 individual white OLED pixels jam-packed into this miniature pi display - even includes a little 5-way joystick and two pushbuttons. Fully assembled - **no soldering at all is required for this item**
- [Adafruit Pi Zero Enclosure](#) - Adafruit's classic, sturdy plastic enclosure. Keeps your Pi Zero safe and you can plug the Bonnet on top
- [Break-away 0.1" 2x20-pin Strip Dual Male Header](#) - Solder this to your Pi Zero so you can

Please note that this display is too small to act as a primary display for the Pi (e.g. it can't act like or display what would normally be on the HDMI screen). Instead, we recommend using **pygame** for drawing or writing text.

Using the display and controls in python is very easy, we have a library ready-to-go for the SSD1306 OLED chipset and the joystick/buttons are connected to GPIO pins on the Pi. Our example code allows you to draw images, text, whatever you like, using the Python imaging library. We also have example code for using the joystick/buttons/OLED together. Our tests showed 15 FPS update rates so you can do animations or simple video.

Some light through-hole soldering is required to attach the headers onto the Pi Zero W. A soldering iron and solder are required to perform this task.

[Instructions, software, downloads and more in the OLED Bonnet Learning Guide!](#)

## TECHNICAL DETAILS



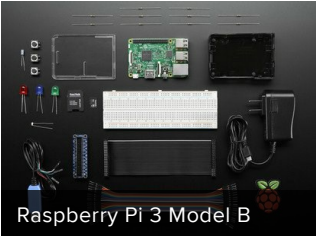
## MAY WE ALSO SUGGEST...



Raspberry Pi Zero Starter



Stereo Bonnet Pack for



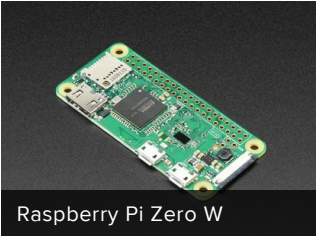
Raspberry Pi 3 Model B



Raspberry Pi Zero W Basic



Joy Bonnet Pack for



Raspberry Pi Zero W



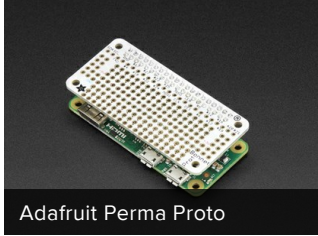
Raspberry Pi Zero W Starter



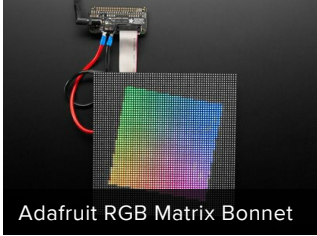
Raspberry Pi Zero Budget



Raspberry Pi Zero W



Adafruit Perma Proto



Adafruit RGB Matrix Bonnet



Adafruit 128x64 OLED

## DISTRIBUTORS [EXPAND TO SEE DISTRIBUTORS](#)

[CONTACT](#)

[SUPPORT](#)

[DISTRIBUTORS](#)

[EDUCATORS](#)

[JOBS](#)

[FAQ](#)

[SHIPPING & RETURNS](#)

[TERMS OF SERVICE](#)

[PRIVACY & LEGAL](#)

[ABOUT US](#)

ENGINEERED IN NYC Adafruit®



4.9 ★★★★★  
Google  
Customer Reviews