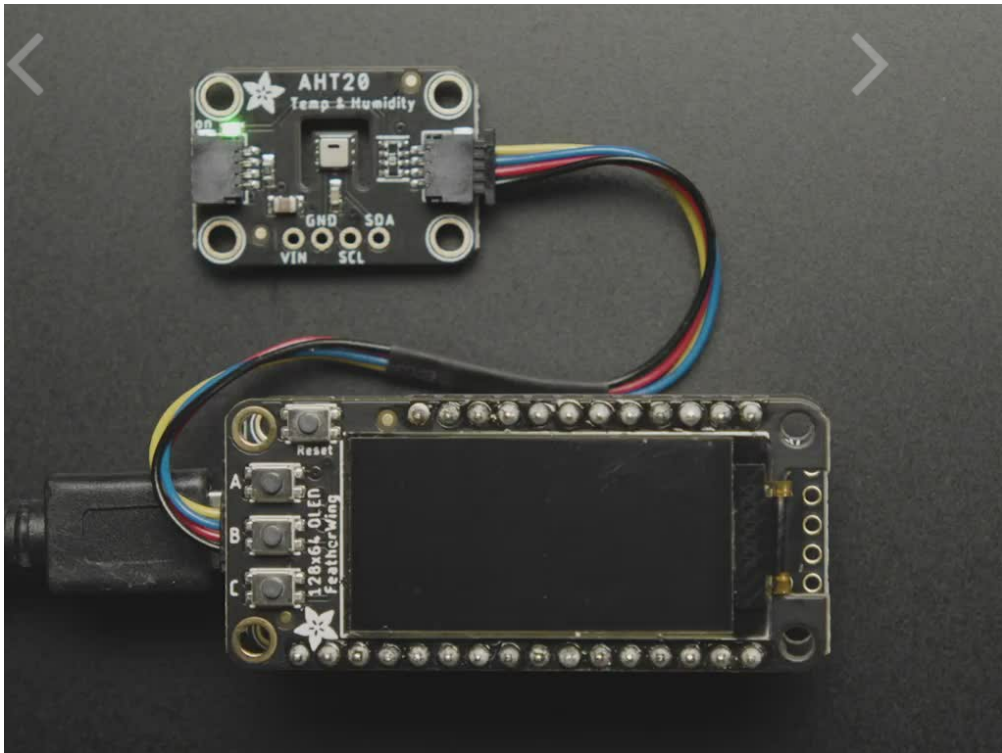




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# Adafruit FeatherWing OLED - 128x64 OLED Add-on For Feather - STEMMA QT / Qwiic

PRODUCT ID: 4650

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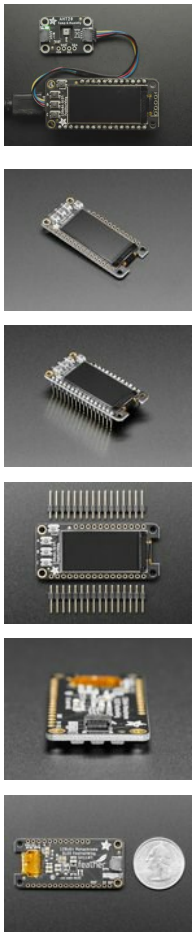
Also include 1 x Grove to STEMMA QT / Qwiic / JST SH Cable (0)

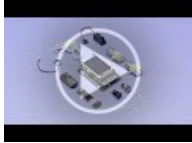
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[DESCRIPTION](#)

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## DESCRIPTION

A Feather board without ambition is a Feather board without FeatherWings! This is the **FeatherWing 128x64 OLED**: it adds a gorgeous 128x64 monochrome OLED plus 3 user buttons to *any* Feather main board. Using our [Feather Stacking Headers](#) or [Feather Female Headers](#) you can connect a FeatherWing on top of your Feather board and let the board take flight!

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! We also toss on a reset button and three mini tactile buttons called A B and C, so you can add a mini user interface to your feather. [If you've used our 128x32 OLED FeatherWing](#), you'll be happy to know that this FeatherWing is pin compatible for a quick and easy upgrade.

The display uses only I2C so you can easily connect it up with just two pins used (plus power and ground!). There's an auto-reset circuit and a reset button on the top. We've even included a [SparkFun qwiic-compatible STEMMA QT](#) connector for the I2C bus so you can plug and play *any* of our STEMMA QT, qwiic or [Grove I2C sensors](#) and devices!

Tested working with **all Feather boards**. The OLED uses only the two I2C pins on the Feather, and you can pretty much stack it with any other FeatherWing, even ones that use I2C since that is a shared bus. This display is an SH1107 which has both Arduino library and CircuitPython support. To use, [Check out our tutorial! It has schematics, datasheets, files, and code examples.](#)

Comes with a set of 0.1" headers that are unattached, you'll need to solder them in to plug into your Feather board. [Check out our range of Feather boards here.](#)



## TECHNICAL DETAILS

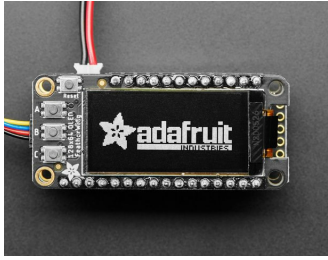
- PCB dimensions: 22.9mm x 50.9mm / 0.9" x 2"
- Display area: ~25.8mm / ~1.0"

Please note that OLED displays are made of hundreds of...OLEDs. That means each pixel is a little organic LED, but if it's kept on for over 1000 hours it'll start to dim. If you want to keep the display uniformly bright, please turn off the display (set the pixels off) when it isn't needed to

keep them from dimming.



## LEARN



[Primary Guide: Adafruit 128x64 OLED FeatherWing](#)

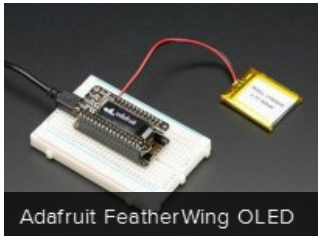
Easily add a gorgeous 128x64 OLED to your Feather project!



[STEMMA Lego base plates](#)

Lego STEMMA connectors!

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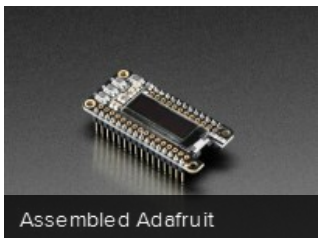
Adafruit FeatherWing OLED



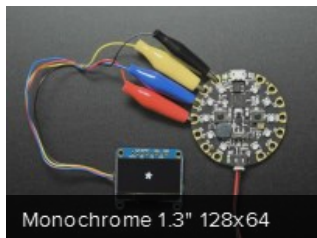
Adafruit Radio Bonnets with



Adafruit FeatherWing OLED



Assembled Adafruit



Monochrome 1.3" 128x64



Adafruit 128x64 OLED



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