

## Adalogger FeatherWing - RTC + SD Add-on For All Feather Boards

PRODUCT ID: 2922

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1

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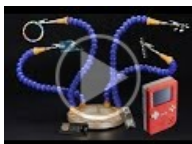
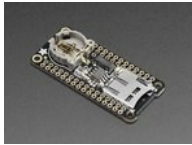
Also include 1 x [CR1220 12mm Diameter - 3V Lithium Coin Cell Battery](#) ()

1-9

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[DESCRIPTION](#)[TECHNICAL DETAILS](#)

## DESCRIPTION

A Feather board without ambition is a Feather board without FeatherWings! This is the **Adalogger FeatherWing**: it adds both a battery-backed Real Time Clock and micro SD card storage 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!

[Check out our range of Feather boards here.](#)

This FeatherWing will make it real easy to add datalogging to any of our existing Feathers. You get both an I2C real time clock (PCF8523) with 32KHz crystal and battery backup, and a microSD socket that connects to the SPI port pins (+ extra pin for CS). **Tested and works great with all of our Feathers.**

**Does not come with a micro SD card. A CR1220 coin cell is required to use the RTC battery-backup capabilities!** We don't include one by default, to make shipping easier for those abroad, [but we do stock them so pick one up or use any CR1220 you have handy](#). If you're not using the RTC part of the FeatherWing, a battery is not required. [If you need a precision RTC, check out our DS3231 FeatherWing](#)

For pinouts, wiring and code example that will run on all Feathers, [check out the tutorial guide which we keep updated as new Feathers come out](#). It has more information including diagrams, example code for both [Arduino](#) and [CircuitPython](#), pinouts, and more!



## TECHNICAL DETAILS

- 50.8mm x 22.9mm x 1.6mm / 2" x 0.9" x 0.06"
- Weight: 5.1g
- [Datasheets](#), [EagleCAD PCB files](#), [Fritzing objects](#), and more available in the [tutorial](#)

Revision History:

- **As of June 6, 2017** we now ship a version with a slightly different power supply setup that reduces RTC brownouts. It is otherwise code and hardware compatible



## LEARN



### [Adafruit Adalogger FeatherWing](#)

Real time clock + SD card for data reading & writing



### [CircuitPython Hardware: SD Cards](#)

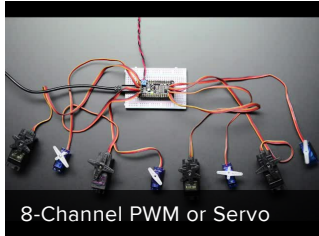
Learn how to use a microSD card to store code & data with CircuitPython and MicroPython!



### [Data Logging with Feather and CircuitPython](#)

It's log, it's log, it's big, it's data, it's good!

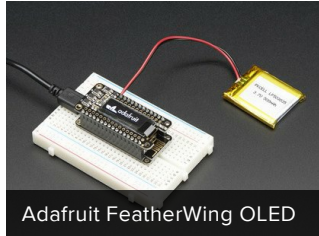
MAY WE ALSO SUGGEST...



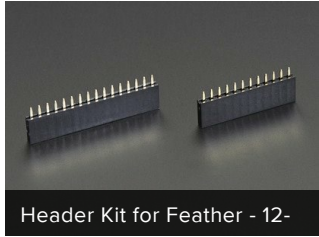
8-Channel PWM or Servo



Short Headers Kit for



Adafruit FeatherWing OLED



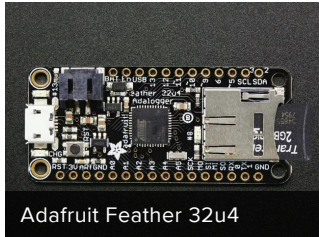
Header Kit for Feather - 12-



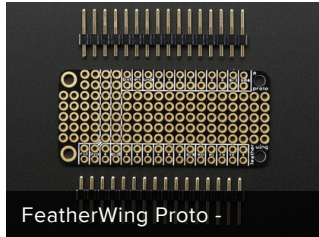
Adafruit Feather M0



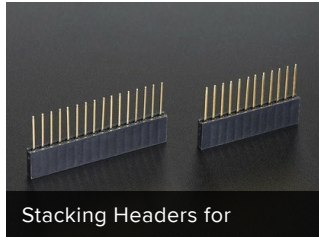
Adafruit Feather 32u4



Adafruit Feather 32u4



FeatherWing Proto -



Stacking Headers for



Adafruit Feather M0 WiFi -



Adafruit Feather M0



Adafruit Feather 32u4 Basic

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*"I don't think there's anything like saving someone's life to bring you satisfaction and happiness" -*  
**Stephanie Kwolek**

ENGINEERED IN NYC Adafruit®



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