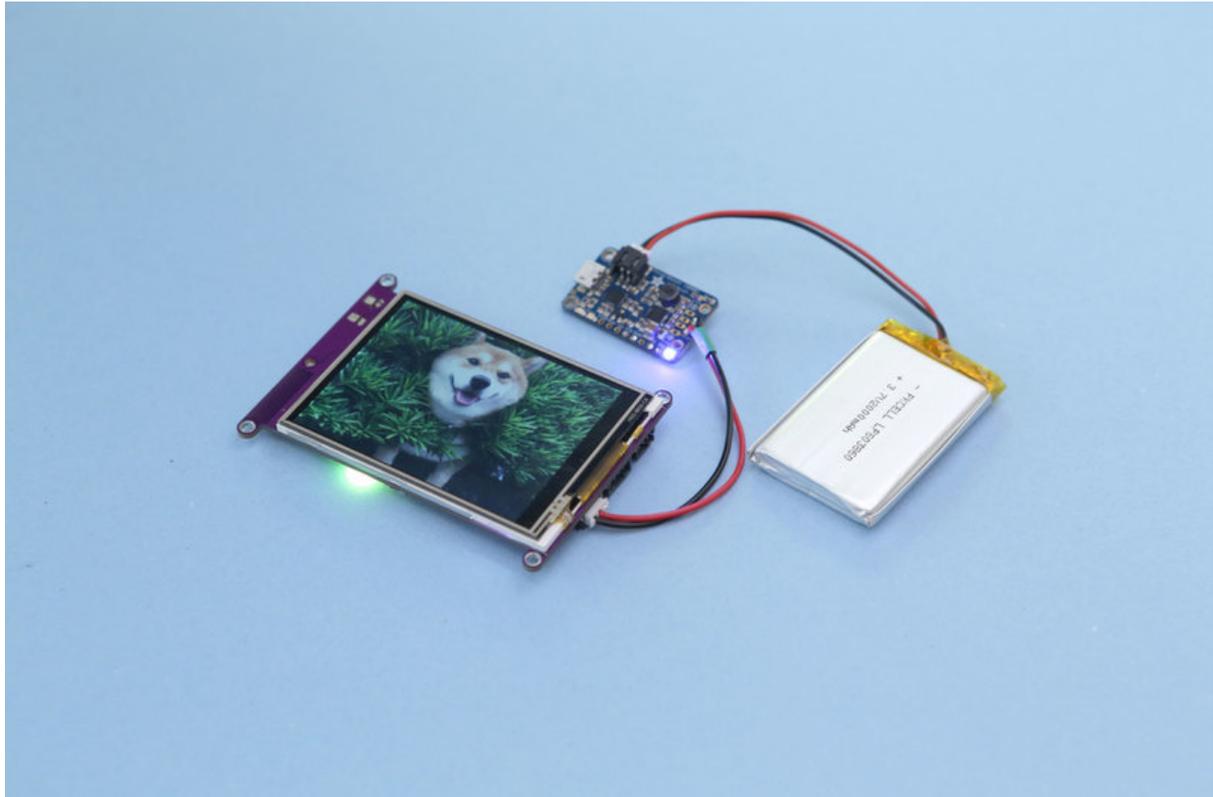




Portable PyPortal

Created by Ruiz Brothers



<https://learn.adafruit.com/portable-pyportal>

Last updated on 2024-06-03 02:40:35 PM EDT

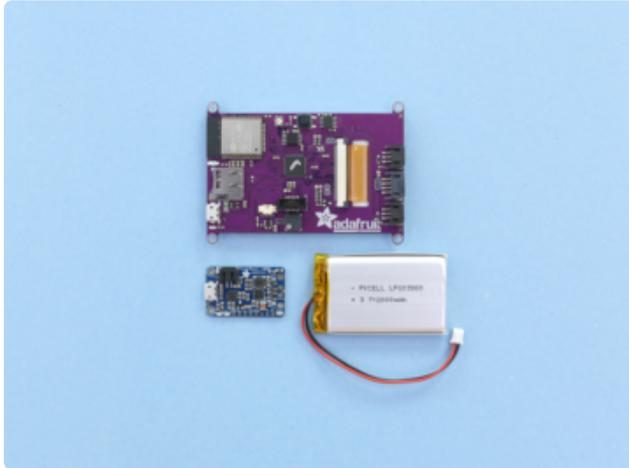
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Overview



PyPort-able

Are you looking to make your PyPortal into a portable project? Sure, you can use a USB battery pack, but what if it needs to be slim and enclosed? That's where the Adafruit PowerBoost comes in!



PowerBoosting PyPortal

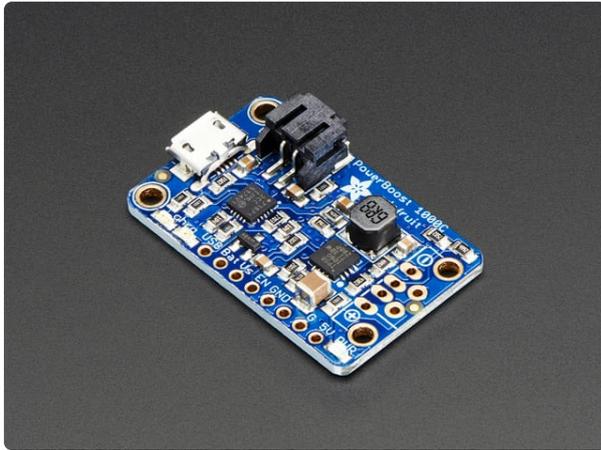
The [Adafruit PowerBoost 1000C](http://adafruit.it/2465) (<http://adafruit.it/2465>) is the perfect power supply for the PyPortal. It provides 5V 1A output and features built-in battery recharging for our line of 3.7v [Lilon/LiPoly batteries](https://adafruit.it/waX) (<https://adafruit.it/waX>). We suggest using a battery with a minimum capacity of 500mAh, but the bigger the better!



Adafruit PyPortal - CircuitPython Powered Internet Display

PyPortal, our easy-to-use IoT device that allows you to create all the things for the “Internet of Things” in minutes. Make custom touch screen interface...

<https://www.adafruit.com/product/4116>



PowerBoost 1000 Charger - Rechargeable 5V Lipo USB Boost @ 1A

PowerBoost 1000C is the perfect power supply for your portable project! With a built-in load-sharing battery charger circuit, you'll be able to keep your power-hungry...

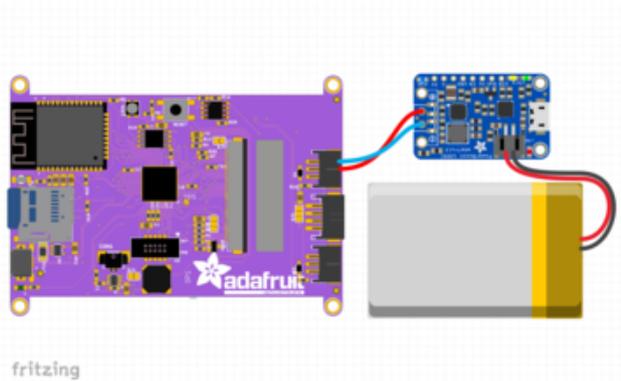
<https://www.adafruit.com/product/2465>



STEMMA JST PH 2mm 3-Pin to Male Header Cable - 200mm

This cable will let you turn a JST PH 3-pin cable port into 3 individual wires with high-quality 0.1" male header plugs on the end. We're carrying these to match up with our...

<https://www.adafruit.com/product/3893>



Circuit Diagram

The 2-pin JST cable from the battery connects directly into battery port on the PowerBoost 1000C. Voltage and Ground wires from the PowerBoost 1000C connect to the 3-pin JST port on the PyPortal (doesn't matter which one).

5V/VCC pin from PowerBoost 1000C to **3-pin JST(VCC)** on PyPortal

GND from PowerBoost 1000C to **3-pin JST(GND)** on PyPortal

Make sure the voltage and ground wires connect to the correct pins! This tutorial assumes you did not change the default power jumper from 5V to 3V - if you did, just power from the USB port instead of the stemma port