



The Explorer pHAT for Raspberry Pi, based on Pimoroni's popular Explorer Hat Pro, is a smaller cheaper version designed to fit perfectly on a Raspberry Pi Zero!

A heap of useful input and output options have been added that will take your projects to the next level. Great for driving motors, using analogue sensors, and interfacing with 5V sensors & systems.

Though designed to match the format of the Raspberry Pi Zero it is compatible with all 40-pin GPIO Raspberry Pi variants (2/B+/A+).

Features:

- Python API
- Four analogue inputs – A tidy way to integrate analogue signals into your project.
- Two H-bridge motor drivers – Drive two 5V motors bidirectionally with up to 200mA per channel.
- Four buffered 5V tolerant inputs – Hook up your Pi to accept input from 5V systems (like Arduino Uno/Leonardo or 5V Trinkets).
- Four powered 5V outputs (up to 500mA!) – The on-board Darlington array can supply up to 500mA per channel (but you'll be limited to driving around 1A total from the board). Ideal for stepper motors, solenoids, and relays.

Kit includes: Assembled Explorer HAT PCB, one 2x20 0.1" female GPIO header, and one 1x20 0.1" female header. Some light soldering is required to attach the header on, or you can of course solder the pHAT right onto the Pi Zero

Raspberry Pi not included!

- 65mm x 30mm x 2.2mm / 2.56" x 1.18" x 0.09"
- Weight (assembled): 10.5g