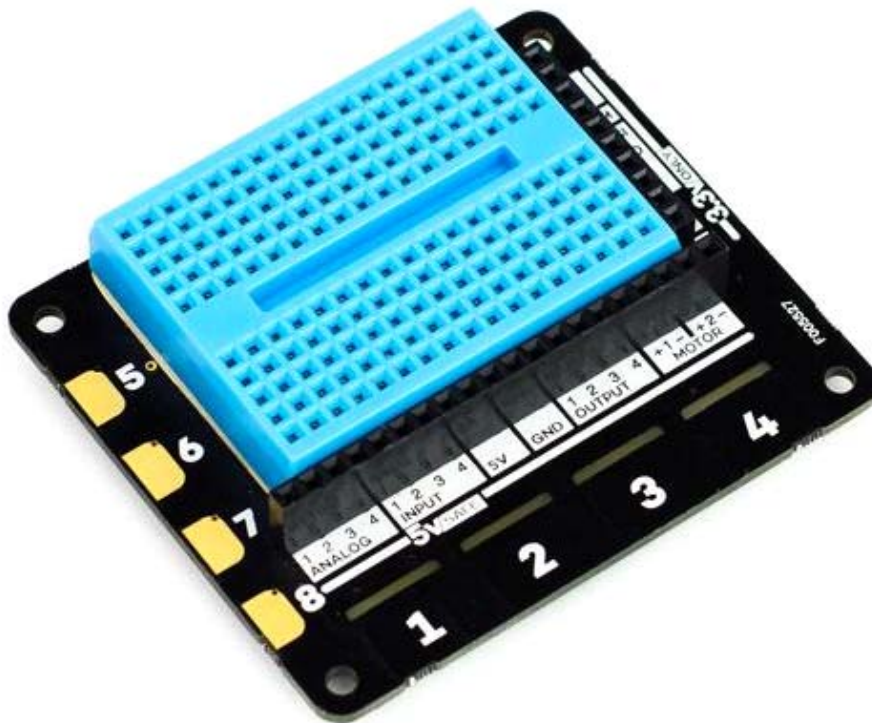


## Explorer HAT Pro

PIM082



Explorer HAT Pro adds a lot of useful tools to your Raspberry Pi.

It has digital inputs and outputs, capacitive touch pads, croc. clip compatible pads, coloured LEDs, analog inputs, motor drivers, and a mini breadboard for prototyping your projects

Great for little robots, games, science experiments, exploring small electronic circuits, and interacting with you Pi.

We've put together a handy little Explorer HAT Pro parts kit with everything you need to get started building circuits including LEDs, dials, a buzzer, and even a temperature sensor! Explorer HAT Pro also goes great with our no-soldering-required micro metal gearmotors and our STS-Pi robot kit.

## Features

- Four buffered 5V tolerant inputs (perfect for Arduino compatibility)
- Four powered 5V outputs (up to 500mA total across all four channels)
- Four capacitive touch pads (labelled 1, 2, 3, 4)
- Four capacitive crocodile clip pads (labelled 5, 6, 7, 8)
- Four coloured LEDs (red, green, blue, and yellow)
- Four analog inputs
- Two H-bridge motor drivers (up to 200mA per channel; soft PWM control)
- A heap of useful (unprotected) 3v3 goodies from the GPIO
- A mini breadboard on top!
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- Python library
- Comes fully assembled

## Software

We've made it super-quick to get to grips with Explorer HAT Pro with our Python library, including a bunch of examples to show off all of Explorer HAT Pro's functions.

## Notes

- The inputs use a 5-channel buffer that will accept anything from 2V-5V as logic high
- Mini breadboard had 170 points, 17x5 per half of the breadboard