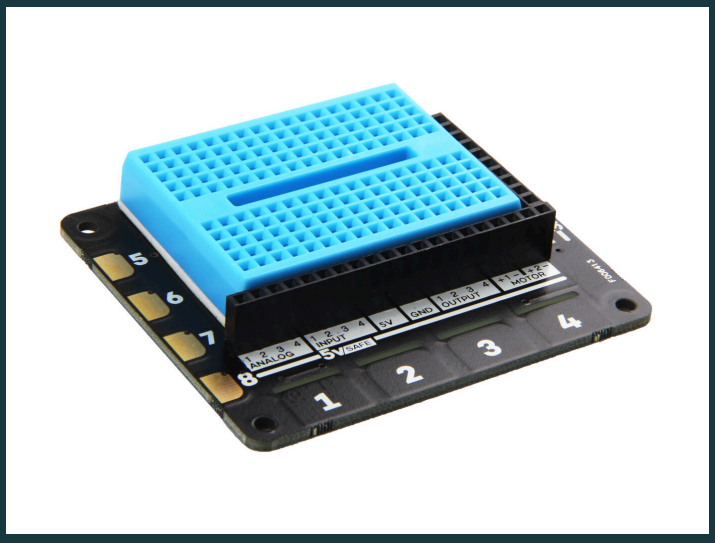
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INDUSTRIAL PRODUCT DATASHEET

Pimoroni Explorer HAT Pro: I/O,Touch Pads,LED,motor driver,mini breadboard... for robots & experiments

Pimoroni Explorer HAT Pro equips your Raspberry Pi with digital I/O, capacitive touch, LEDs, motor drivers, and a mini breadboard for robotics and prototyping.

SKU	UPDATED	PRICE
114991422	2026-04-09 12:48:42	$22.95(Excl. VAT)



Overview



Pimoroni Explorer HAT Pro adds versatile I/O, capacitive touch, LEDs, motor drivers, and a mini breadboard to your Raspberry Pi, making it ideal for robotics, experiments, and prototyping. It features 5V tolerant inputs, powered outputs, analog inputs, and soft PWM motor control, all accessible via a Python library.

Key Features

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!
- **Explorer HAT Pro pinout**
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- **Python library**
- Comes fully assembled

Software

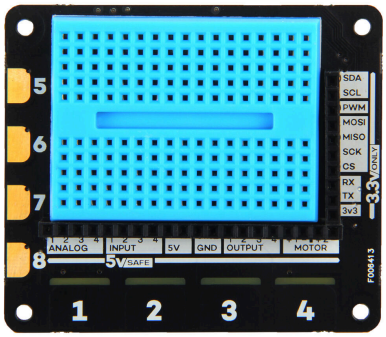
We've made it super-quick to get to grips with Explorer HAT Pro with our Python library, including a bunch of examples to show off all of Explorer HAT Pro's functions.

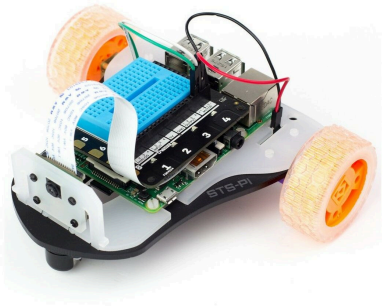
Our software does not support Raspbian Wheezy.

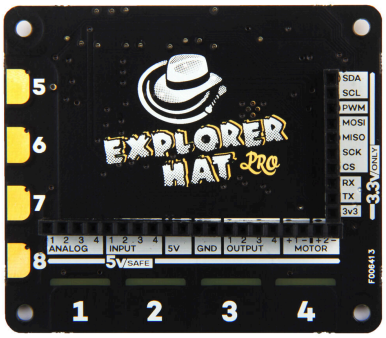
Notes

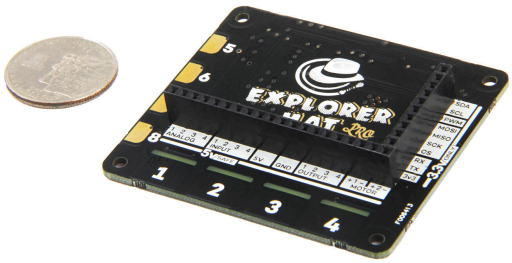
- The inputs use a 5-channel buffer that will accept anything from 2V-5V as logic high
- Mini breadboard had 170 points, 17x5 per half of the breadboard

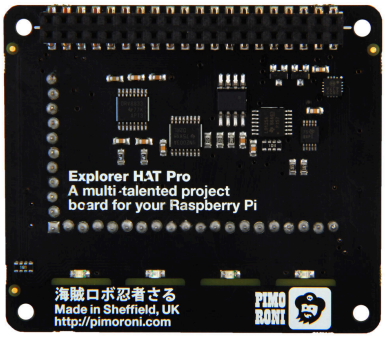
Product Gallery











Part List

Explorer HAT board	1
mini breadboard	1

Compliance & Logistics



HSCODE	8543909000
USHSCODE	8543903500
EUHSCODE	8543709099
COO	UNITED KINGDOM

Resource Links

- https://www.seeedstudio.com/Pimoroni-Explorer-HAT-Pro-I-O-Touch-Pads-LED-motor-driver-mini-breadboard-for-robots-experiments-p-3007.html

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