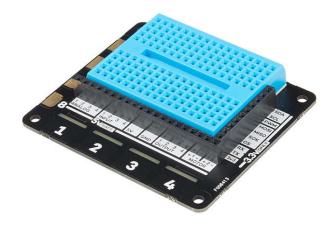# Pimoroni Explorer HAT Pro

DEV-14039

Description: The Pimoroni Explorer HAT Pro is a "shield" for the Raspberry Pi and provides you with the perfect prototyping sidekick for your Pi. The Explorer HAT Pro has a heap of useful input and output options that will take your Raspberry Pi projects to the next level. This add-on board is great for driving motors, using analog sensors, interfacing with 5V systems and touch (even fruit-based!) interfaces.

Each Pimoroni Explorer HAT Pro easily snaps on top of a Raspberry Pi equipped with a 40-pin (2x20) GPIO. Pimoroni has created a GitHub repository bundling the Explorer software with a set of examples to get you started in an easy-to-use Python module to get prototyping right away.

Features:

Four buffered 5V tolerant inputs
Four powered 5V outputs (up to 500mA!)
Four capacitive touch pads
Four capacitive crocodile clip pads
Eight 4-colored LEDs
Four analog inputs
Two H-bridge motor drivers
A heap of useful (unprotected) 3v3 goodies from the GPIO
A mini breadboard on top!

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