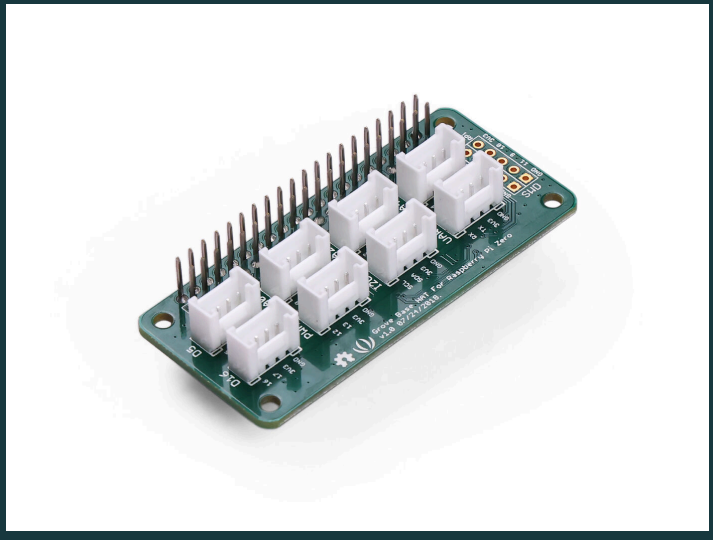
seeed studio

INDUSTRIAL PRODUCT DATASHEET

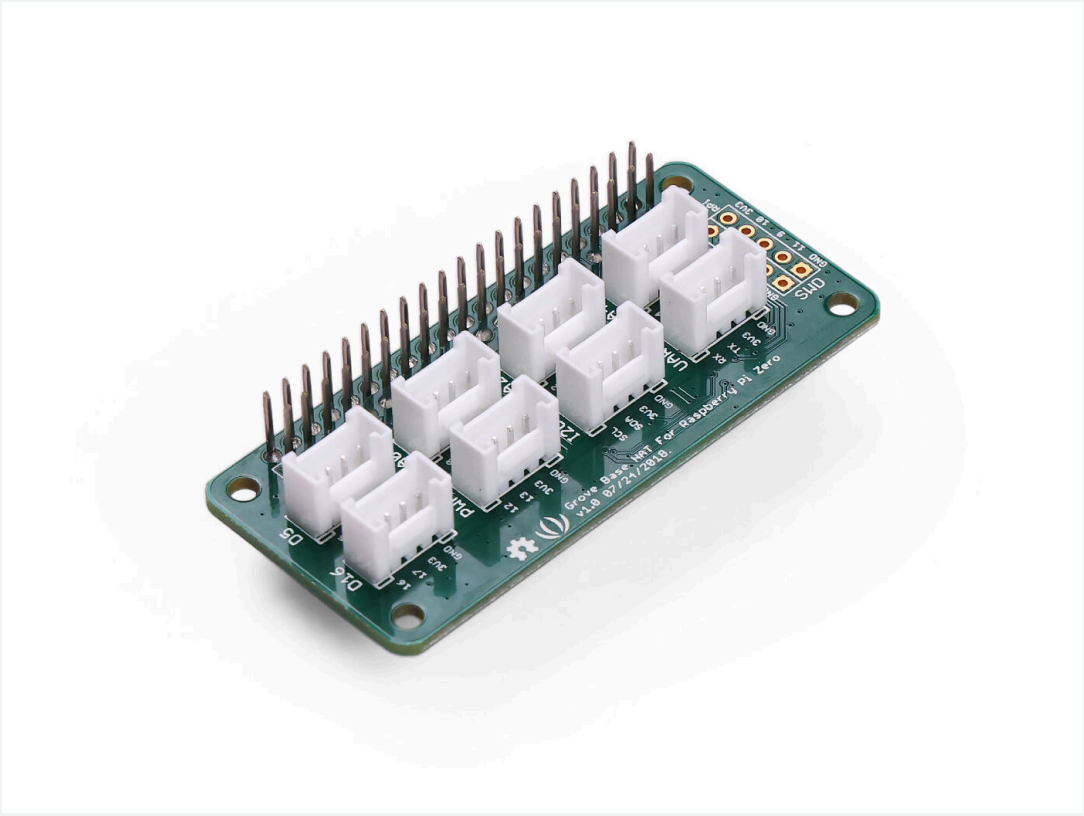
Grove Base Hat for Raspberry Pi Zero - 24-Pin GPIO maintain, Grove interface for 1× I2C, 1× UART, 2× Digital, 4× Analog, SWD Debug interface, 1x PWM Port

Grove Shield for Raspberry Pi Zero is an expansion board for Raspberry Pi Zero, designed by Seeed Studio, for the orderliness of your conected sensors when you develop projects with Pi Zero.

SKU	UPDATED	PRICE
103030276	2026-11-11 08:09:29	$3.90(Excl. VAT)



Overview



Grove Shield for Raspberry Pi Zero is an expansion board for Raspberry Pi Zero, designed by Seeed Studio, for the orderliness of your conected sensors when you develop projects with Pi Zero. It maintains 24-Pin GPIO and provides 15 additional Grove ports based on MM32 chip, along with other interfaces, giving you the great and quick develop experience.

Key Features

01 **Grove & GPIO Pi Hat for Raspberry Pi Series**

Break out all the pins and power of the Raspberry Pi to provide 8 multi-function Grove ports and compatible 24-Pin GPIO based on

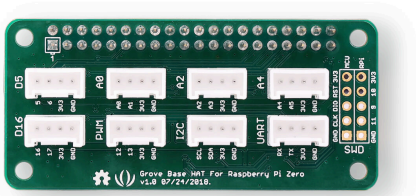
02 **Rich Peripherals for Grove**

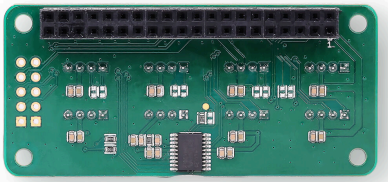
Provide 8 Grove ports including 1× I2C, 1× UART, 2× Digital, 4× Analog, which also contains 1x PWM port, and the SWD Debug interface.

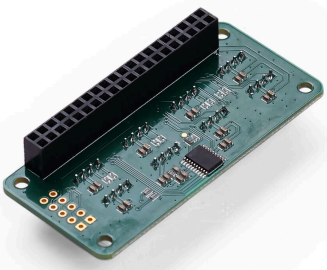
03 **Plug and Play**

Utilize convenient Grove connectors that supports more than 60 Grove modules

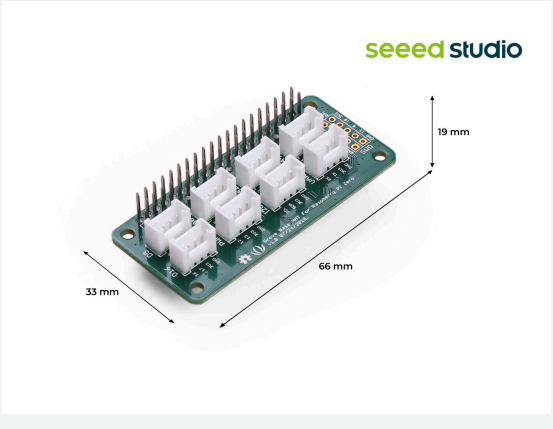
Product Gallery











Applications

- **Projects with Grove sensors**
- **Electronics beginning**
- **SWD debug**
- **Rapid prototyping**
- **Intelligent control**

Resource Links

- https://www.seeedstudio.com/Grove-Base-Hat-for-Raspberry-Pi-Zero.html
- Grove Base Hat for Raspberry Pi Zero Eagle Files
- Seeed Grove.py Library
- STM32F030F4P6TR-Firmware
- MM32F031F6P6-Firmware
- STM32 Datasheet
- MM32F031F6P6_Datasheet.pdf

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