

Grove Base Kit for Raspberry Pi

110020169

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

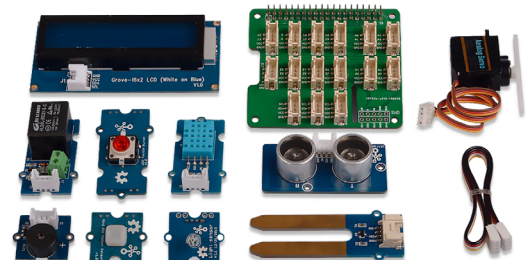
Seeed Studio Grove Base Kit for Raspberry Pi is a kit for beginners to get started with Raspberry Pi computing. There is no troublesome soldering or complicated wiring in this kit. Raspberry Pi is a credit-card-sized computer. The user plugs it into a computer monitor or TV and uses a standard keyboard and mouse.



Grove is a modular prototyping system consisting of a base unit and various modules with a standardized connector. The Grove base kit includes a Grove base hat for Raspberry Pi and 10 Grove modules that plug into the base hat.

Features

- Base hat for Raspberry Pi:
 - Support Raspberry 2B/3B+/zero
 - Built-in microcontroller unit (MCU)
 - 12-bit analog to digital converter (ADC)
 - Multitype Grove port
- Red LED button:
 - Long operating life
 - Grove digital interface
- Temperature and humidity sensor (DHT11):
 - Relative humidity and temperature measurement
 - Full-range temperature compensation calibrated
 - Digital signal
 - Long-term stability
 - Long transmission distance
 - Low power consumption
- 16 x 2 LCD (white on blue):
 - Super-twisted nematic (STN) display mode
 - Onboard MCU
 - I²C bus interface
 - Supports English and Japanese fonts



Kit Contents

- Ultrasonic ranger:
 - 3cm to 350cm detecting range, best at 30° angle.
 - Grove interface
 - 5V_{DC} power supply
 - Arduino library
- Relay
- Light sensor
- Mini passive infrared motion sensor
- Buzzer
- Moisture sensor
- Servo

Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/seeed-studio/seeed-studio-grove-base-kit/>