PocketBeagle® Grove Kit

Unleash Your Creativity

Reference Guide

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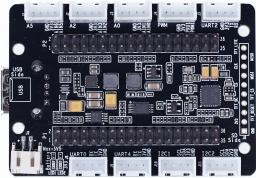
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Overview

● Description

The PocketBeagle® Grove Kit combines a variety of sensors and actuators that can help you bring your project ideas with the PocketBeagle® to life. This kit is an infinitely scalable tool which is very suitable for beginners, as well as professionals to start learning from programming Linux, physical computing and gradually develop projects and products around the PocketBeagle®, with ease. This kit includes a PocketBeagle® and a PocketBeagle® Grove Cape that has various Grove connectors onboard which in turn will allow you to connect to various Grove modules without needing to solder or use jumper wires. This Cape is packed with multiple Analog, PWM, UART and I2C interfaces to connect Grove modules with many different interfaces.

When you open the acrylic box of the PocketBeagle® Grove Kit, you are presented with 10 different Grove modules, including sensors, displays, LEDs, and buttons which are carefully pre-installed on the acrylic board. Also, they are all ready to use out of the box with pre-installed drivers! This means, the time to setup this kit is just a breeze! Furthermore, it contains all the necessary tools that you need to get started with PocketBeagle®, such as a USB cable, SD card, and a Wi-Fi dongle.

● Features

- 10 Different Grove Modules, Ready to Plug-in and Use
- PocketBeagle^t Grove Cape for Expandability
- Pre-installed Software to get Started Quickly
- 8 Well-Written Tutorials
- Acrylic Case for Easy Storage
- Complete Set of Accessories

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Part List

- PocketBeagle® x 1
- Grove - Analog Microphone x 1
- Grove - Chainable RGB LED x 2
- Grove - Ultrasonic Distance Sensor x 1
- Grove - Rotary Angle Sensor x 1
- Grove - Slide Potentiometer x 1
- Grove - Button x 2
- Grove - 12 Key Capacitive I2C Touch Sensor x 1
- Grove - 3 Axis Digital Accelerometer x 1
- Grove - Speaker Plus x 1
- Grove - 16x2 LCD (White on Blue) x 1
- BeagleBoard.org® PocketBeagle® Grove Cape x 1
- Alligator Cable x 10
- SD+TF Card Reader x 1
- 16GB SD Card x 1
- Wi-Fi Dongle x
- Acrylic Shell x 1
- Grove Cable x 1
- USB Cable x 1

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