



Seed Studio BeagleBone Green Wireless IOT Developer Prototyping Kit for Google Cloud Platform
SKU 110060426

DESCRIPTION



Since the advent of Internet of Things(IoT), developers all feel an urge to build a thing or two to introduce the IoT capabilities into their business or operating environment. Unfortunately, the lack of accessible hardware elements and reliable development platform has long been an issue.

Now none of these will come across your path as Seeed has worked with **Google** and **BeagleBoard.org** to bring you a perfect solution – an IoT developer prototyping kit for **Google Cloud Platform**. The kit collects various types of sensors and actuators that are seen being used in many internet-equipped devices. All the sensor and actuator modules feature in plug-and-play and are fully compatible with the new BeagleBone Green Wireless Board, which is the fundamental element in this kit, it includes:

- Built-in Wi-Fi and Bluetooth Low Energy(BLE) added on the original BeagleBone Green
- A fully Open Hardware design as with previous
- Two integrated Grove connectors for agile prototyping without any soldering or breadboarding
- Onboard SD card slot for storage extensions
- Built-in PRU real-time co-processor that is well suited for certain industrial protocols
- Up to 65 digital I/Os and analog-to-digital converters that are key for IoT prototyping situations

The kit also comes with a **Grove base cape** that can be attached directly onto the BeagleBone Board Green Wireless to provide you the real plug-and-play experiences with the Grove modules.

What's inside

1x BeagleBone Green Wireless (includes a Type A to Micro B USB Cable – 20cm)

1x Grove Base Cape for Beaglebone v2.0

Sensors:

1x Grove –3 Axis Digital Accelerometer($\pm 16g$) v1.2

1x Grove – Temperature Sensor v1.1

1x Grove – Rotary Angle Sensor(P)

1x Grove – Light Sensor

1x Grove – PIR Motion Sensor

Actuators:

1x Grove – Button(P)

1x Grove – Buzzer

1x Grove – Variable Color LED

1x Grove – OLED 96x96 v2.1

Others:

9x Grove Cables – 20cm

1x Type A to Micro B USB Cable – 20cm (included in the BeagleBone Green Wireless package)

Getting Started

To getting started please visit the [Google Cloud Platform - IoT Solutions](#) .