



SeedStudio BeagleBone Green Wireless

SKU 102010048



Description



SeedStudio BeagleBone Green Wireless is a joint effort by BeagleBoard.org and Seed Studio. Based on the open-source hardware design of BeagleBone Black, the newest BBGW has added two Grove connectors, making it easier to connect to the large family of Grove sensors. It is the first Wi-Fi + Bluetooth Low Energy (BLE) board from BeagleBone community.

Features

- The first Wi-Fi + Bluetooth Low Energy (BLE) board from BeagleBone community
- Built-in 2.4 GHz TI WLink™8 Module with two antenna solution
- On-board chip antenna
- IEEE 802.11b/g/n compliant
- FCC, CE, and TELEC certified
- Supports AP+STA mode of communication
- Comply with Bluetooth Advanced Audio Distribution Profile (A2DP)
- Supports MRAA library

Specification

Boards Comparison		
BeagleBone Black MSRP: USD 55	SeedStudio BeagleBone Green MSRP: USD 39	SeedStudio BeagleBone Green Wireless MSRP: USD 44.9
AM3358 1GHz ARM® Cortex-A8	AM3358 1GHz ARM® Cortex-A8	AM3358 1GHz ARM® Cortex-A8
512MB DDR3 RAM	512MB DDR3 RAM	512MB DDR3 RAM
4GB 8-bit eMMC on-board flash storage	4GB 8-bit eMMC on-board flash storage	4GB 8-bit eMMC on-board flash storage
3D graphics accelerator	3D graphics accelerator	3D graphics accelerator
NEON floating-point accelerator	NEON floating-point accelerator	NEON floating-point accelerator
2x PRU 32-bit microcontrollers	2x PRU 32-bit microcontrollers	2x PRU 32-bit microcontrollers
USB client for power & communications	USB client for power & communications	USB client for power & communications
1x USB host	1x USB host	4x USB2.0 host
Ethernet	Ethernet	Wi-Fi 802.11b/g/n 2.4GHz and Bluetooth 4.1 LE
2x46 pin headers	2x 46 pin headers	2x 46 pin headers
HDMI port	2x Grove connectors	2x Grove connectors

Part List

- SeeedStudio BeagleBone Green Wireless x 1
- USB Cable x 1
- User Guide x 1