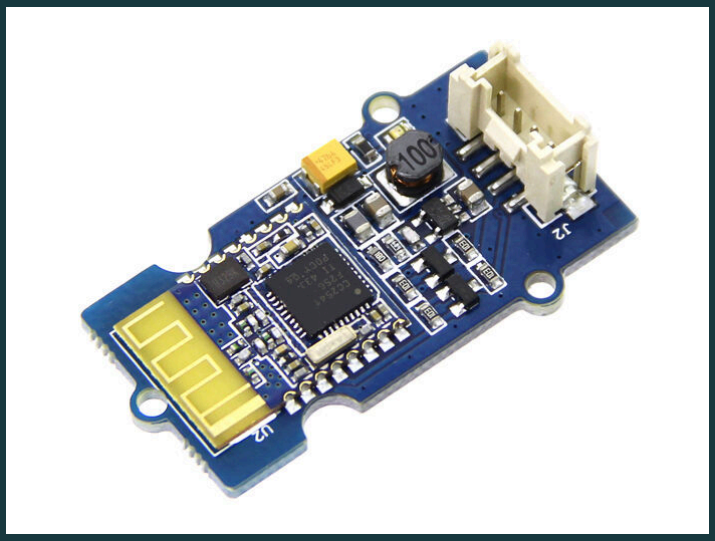
seeed studio

INDUSTRIAL PRODUCT DATASHEET

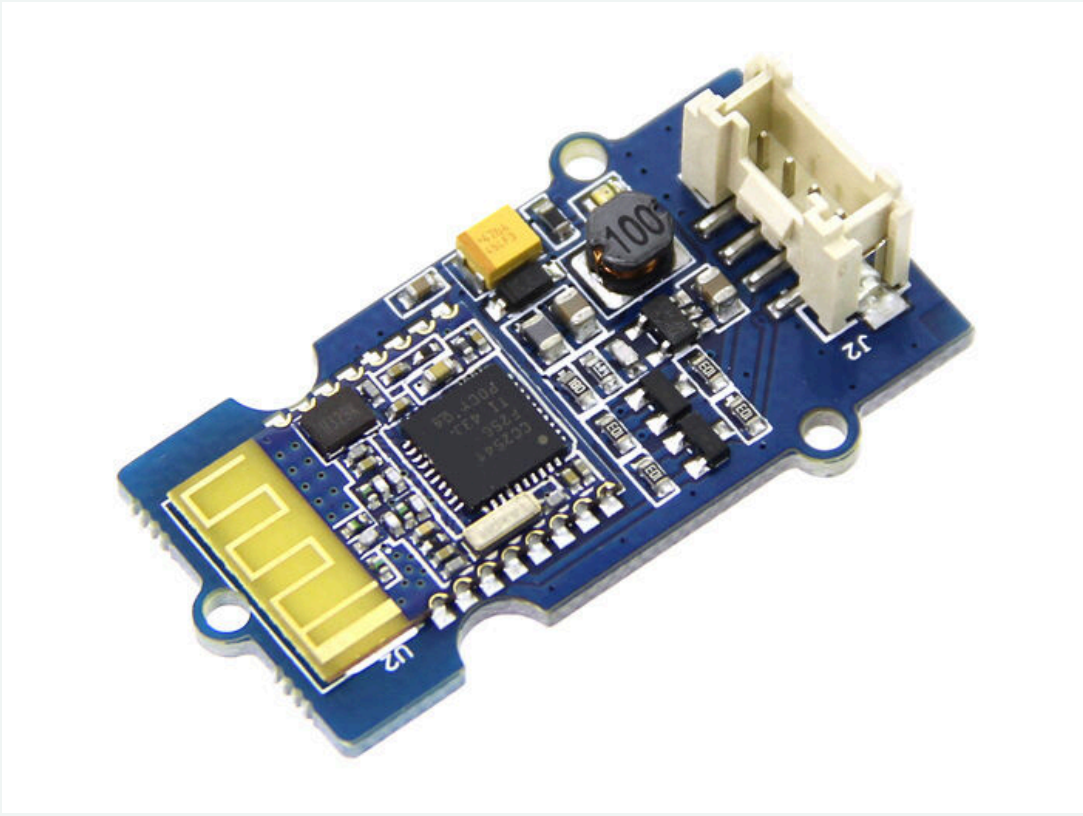
# Grove - Blueseeed (HM11)

Grove - BLE v1 (Grove - Bluetooth Low Energy v1) uses a Low Energy Bluetooth module -- HM-11, based on TI CC2540 chip.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 113020007 | 2026-11-22 23:18:40 | $25.00(Excl. VAT) |



# Overview



Grove - BLE v1 (Grove - Bluetooth Low Energy v1) uses a Low Energy Bluetooth module -- HM-11, based on TI CC2540 chip.

# Key Features

**01** **True single-chip BLE solution**

CC2540 can run both application and BLE protocol stack, includes peripherals to interface with wide range of sensors, etc.

**02** **Highly customizable power**

-23dbm, -6dbm, 0dbm, 6dbm, can modify through AT Command AT+POWE.

**03** **Support long-distance communication**

Open space have 100 Meters with iphone4s.

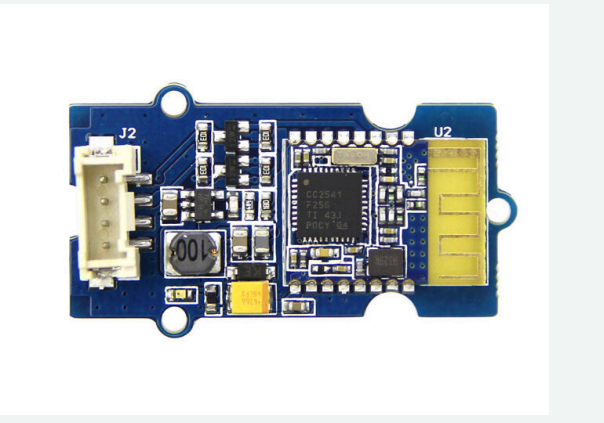
**04** **Low power consumption**

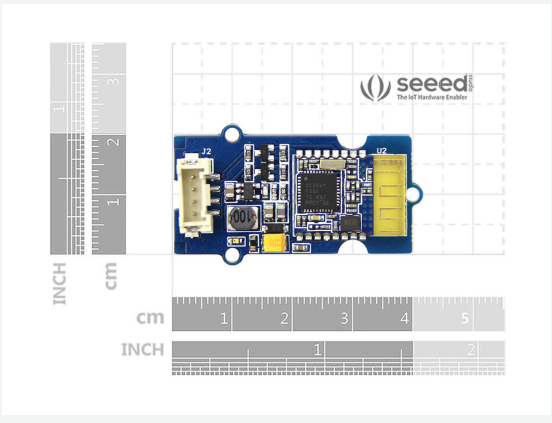
Only 0.5 mA for standby, Active 8.5 mA, support auto sleep.

**05** **Grove unified socket**

The product ensures "Plug and Play" and could be versatile for various applications.

# Product Gallery



# Applications

- 2.4-GHz bluetooth low energy systems
- Mobile phone accessories
- Sports and leisure equipment
- Consumer electronics
- Human interface devices(Keyboard, Mouse, Remote Control)
- USB dongles
- Health care and medical

# Resource Links

- https://www.seeedstudio.com/Grove-Blueseeed-HM11.html
- BLE_apk_for_Android
- Datasheet of BLE module
- Schematic

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