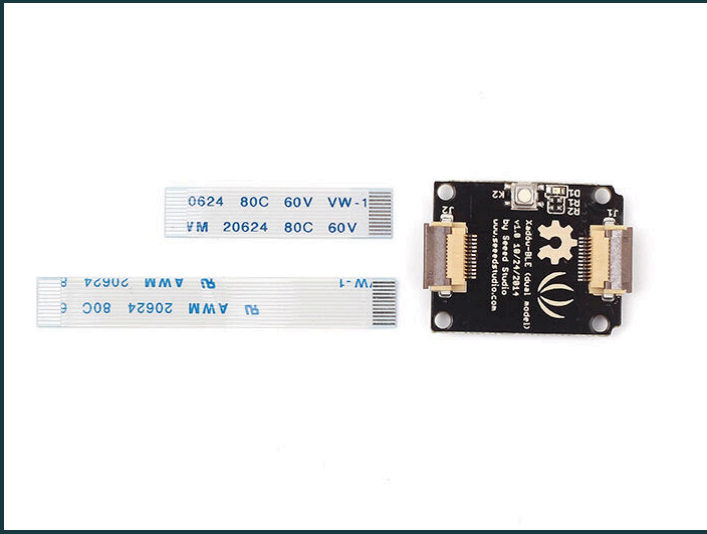
seeed studio

INDUSTRIAL PRODUCT DATASHEET

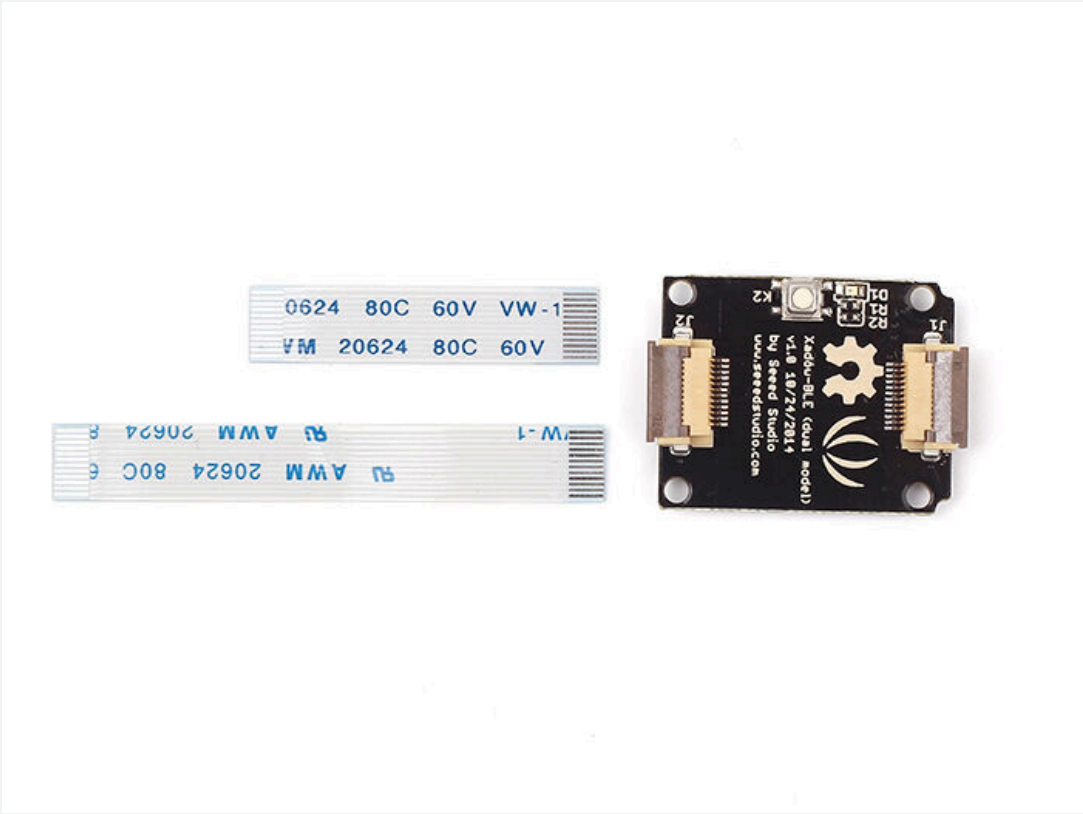
Xadow-Blueseeed - Dual model (HM13) v1.0

The Xadow-Blueseeed (HM13) v1.0 is a dual-mode Bluetooth 4.0/BLE module with UART, configurable RF power, and secure data transfer.

SKU	UPDATED	PRICE
113040007	2024-08-09 01:56:54	$29.80(Excl. VAT)



Overview



The Xadow-Blueseeed (HM13) v1.0 is a dual-mode Bluetooth 4.0 & BLE module with UART communication, supporting SPP and BLE data modes with packet sizes of 90 and 20 bytes respectively. It operates on the 2.4GHz ISM band using GFSK modulation, offers configurable RF power (-23dBm to 6dBm), and provides secure asynchronous/synchronous speeds up to 3KB.

Key Features

01 **- BT Version**

Bluetooth Specification V4.0 & BLE

02 **- UART send and receive max bytes is 512**

03 **- Other device to module in SPP mode**

90 Bytes per packet

04 **- Other device to module in BLE mode**

20 Bytes per packet

05 **- Two data transmission mode, balance mode and high speed mode**

06 **- Working frequency**

2.4GHz ISM band

07 **- Modulation method**

GFSK(Gaussian Frequency Shift Keying)

08 **- RF Power**

-23dbm, -6dbm, 0dbm, 6dbm.

09 **- Speed**

Asynchronous: 3K Bytes

10 **- Synchronous**

3K Bytes

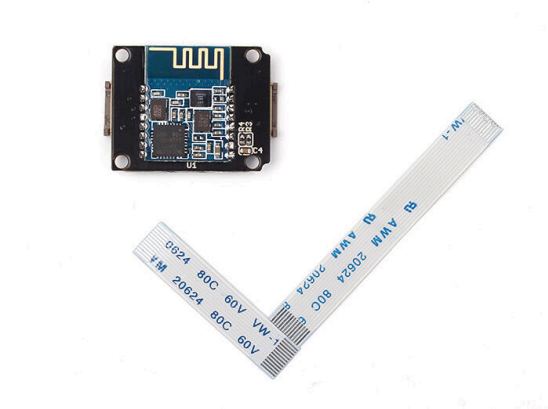
11 **- Security**

Authentication and encryption

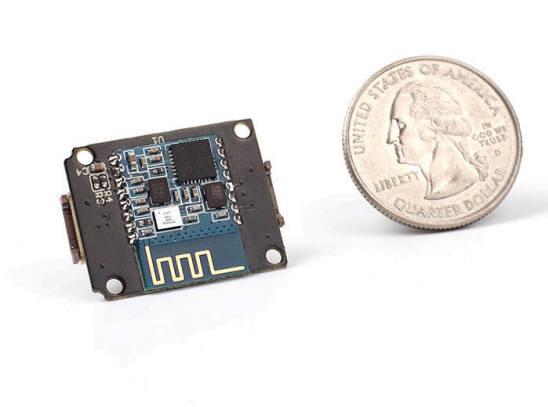
12 **- Service**

Slave SPP, Peripheral BLE, UUID FFE0,FFE1

Product Gallery







Compliance & Logistics

HSCODE	8517709000

Resource Links

- https://www.seeedstudio.com/Xadow-BLE-dual-mode-p-2405.html
- HM-13 Bluetooth Datasheet
- Arduino code
- PDF_Xadow-BLE_(dual_model)_v1.0

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