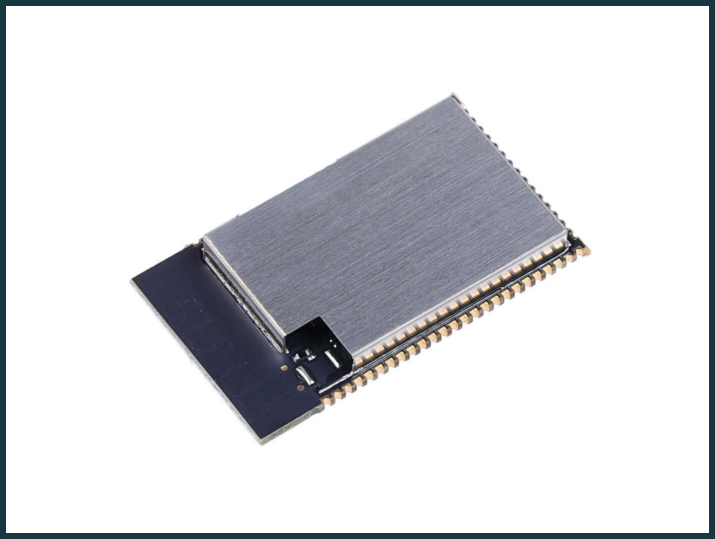
seeed studio

INDUSTRIAL PRODUCT DATASHEET

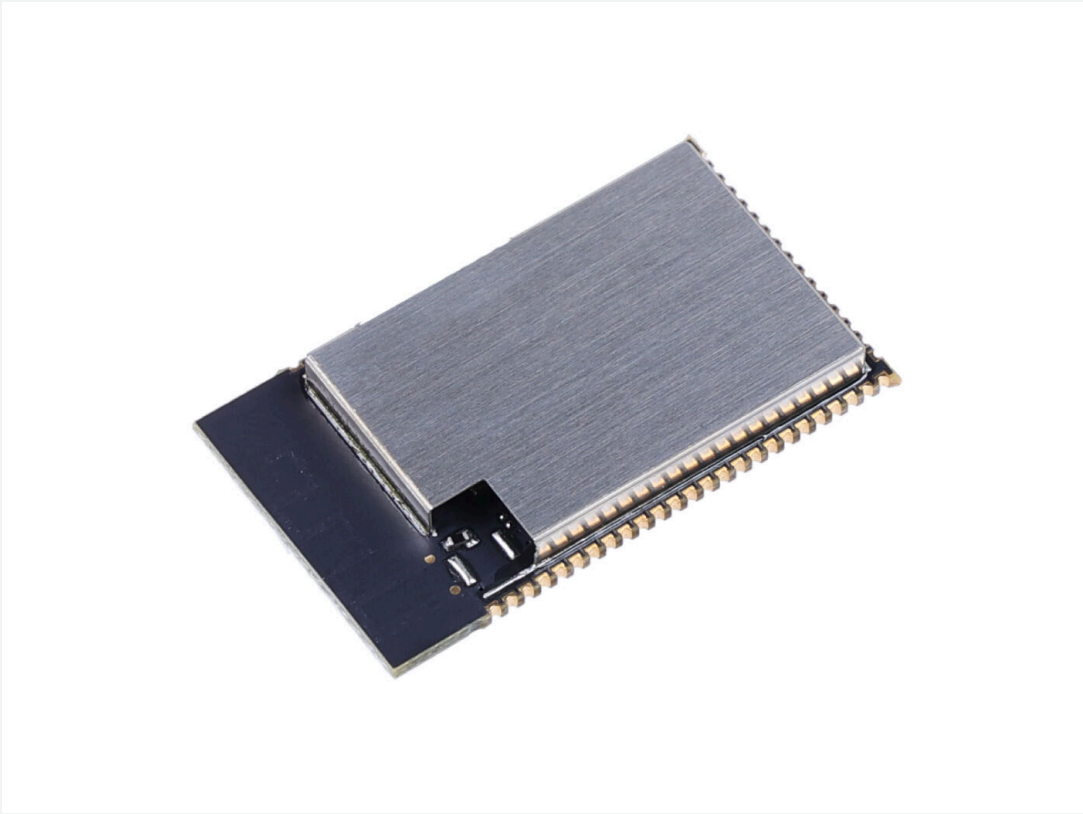
Sipeed BL808 M1s RISC-V Module with WIFI / BT / Bluetooth5 - 768KB SRAM + 64MB RAM, ideal for IoT wearable devices, Smart Home

Sipeed M1s Module is an AIOT module based on BL808 of Bouffalo Lab, it contains 3 cores inside, with WiFi/BT/Bluetooth5 wireless units, including multiple cpus, audio encoder and decoder, video encoder and decoder and AI...

SKU	UPDATED	PRICE
102991755	2026-11-20 01:54:45	$8.00(Excl. VAT)



Overview



Sipeed M1s Module is an AIOT module based on BL808 of Bouffalo Lab, it contains 3 cores inside, with WiFi/BT/Bluetooth5 wireless units, including multiple cpus, audio encoder and decoder, video encoder and decoder and AI hardware accelerator (BLAI-100), suitable for a variety of high performance and low power applications.

Key Features

01 **Powerful chip support**

MainChip BL808 RV64 480MHz + RV32 320MHz + NPU BLAI 100GOPS

02 **Built-in SPI**

Onboard SPI FLASH (16MByte default)

03 **Wireless three-mode integration**

Support 2.4G WiFi/BT/Bluetooth5, any mode can efficiently be networked

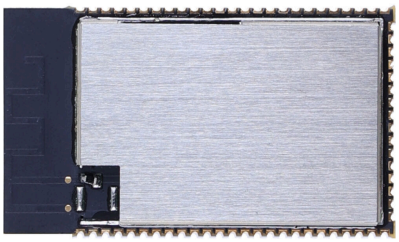
04 **Stable connection**

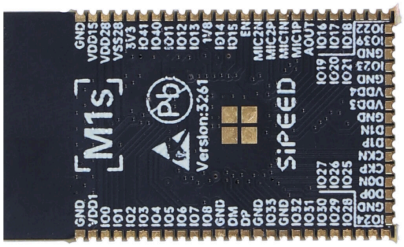
Support IPEX-I antenna and onboard PCB antenna

05 **Flexible DIY GPIO port**

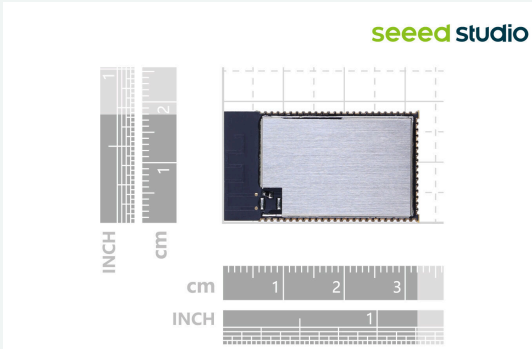
Stamp package route all IO can easily modify the baseboard to support the desired application

Product Gallery









Applications

- artificial intelligence application
- IoT wearable devices
- Home automation
- Health / fitness sensor and monitor device
- Building automation

Resource Links

- https://www.seeedstudio.com/Sipeed-BL808-M1s-Module-p-5544.html
- M1s Module - Datasheet
- BL808 DataSheet
- BL808 Reference Manual
- M1s_BL808_example
- M1s_Schematic.pdf
- M1s_BL808_Linux_SDK
- M1s_BL808_SDK
- M1s_3D_file.rar
- M1s_PCB Library_Package.zip
- Module Bit map

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