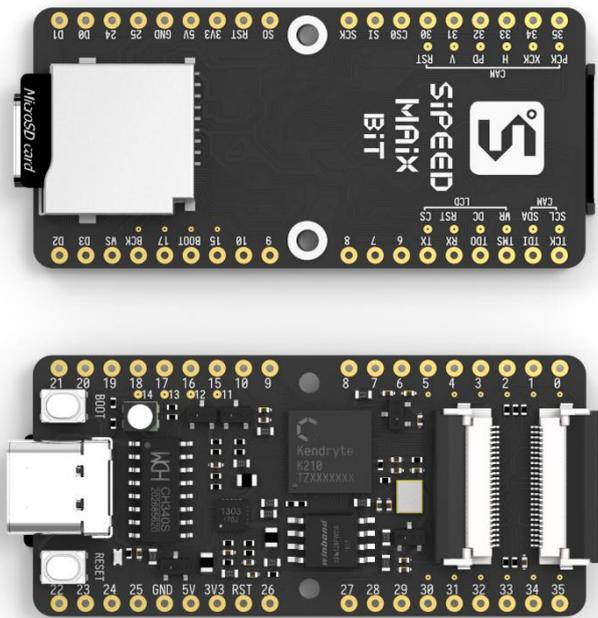


Sipeed Maix-BIT Specifications v1.0

Characteristic:

- CPU : RISC-V Dual Core
64bit, with FPU, 400Mhz
standard Frequency(Can be
overclocked)
- 24P DVP connector
- 24P 8bit MCU LCD connector
- Compact size:
53.3*25.4mm
Can be connected to the
breadboard directly
- Power IC:
Provide 3.3V and 1.8V to
developers
- Download circuit:
Just connect the USB typeC
cable to complete the
download
- Onboard component:
RGB LED \ RST button and USB
button \ MicroSD card(TF card)
slot



Version 1.0
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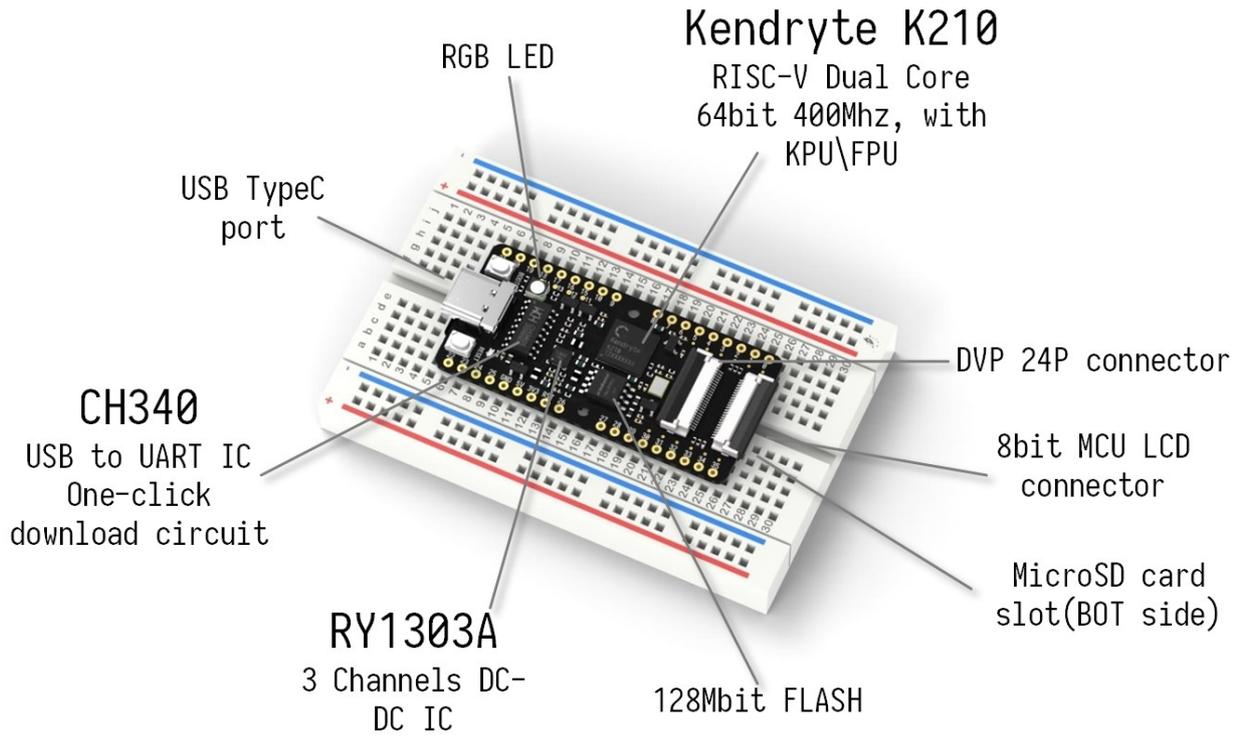
| Update record | |
|---------------|---|
| V1.0 | Edited on February 28, 2019 ; Original document |
| | |
| | |
| | |

| FEATURES OVERVIEW | |
|--|--|
| CPU : RISC-V Dual Core 64bit, 400Mh adjustable | Powerful dual-core 64-bit open architecture-based processor with rich community resources |
| Debugging Support | High-speed UART and JTAG interface for debugging |
| GPIO interface | All GPIOs connected to header 2*20 2.54mm |
| Micro SD card (TF card) slot | Support Self-elastic card holder |
| One-click Download circuit | Just connect the USB typeC cable to complete the download Onboard CH340, which support 2Mbps baudrate |
| DVP Camera connector | 24P 0.5mm FPC connector |
| LCD connector | 8bit MCU LCD 24P 0.5mm FPC connector |
| Button | RST button and USR button |

| SOFTWARE FEATURES | |
|-------------------------|--|
| FreeRtos & Standard SDK | Support FreeRtos and Standard development kit. |
| MicroPython Support | Support MicroPython on M1 |
| Machine vision | Machine vision based on convolutional neural network |
| Machine hearing | High performance microphone array processor |

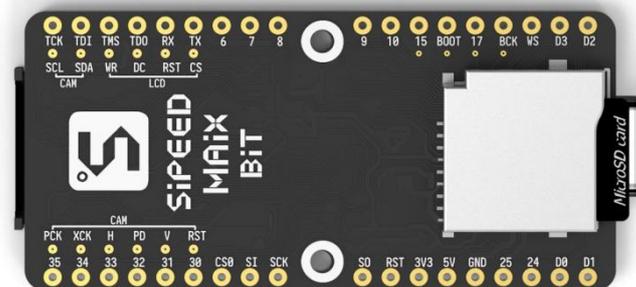
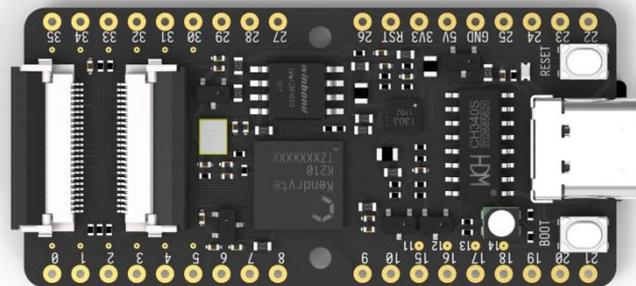
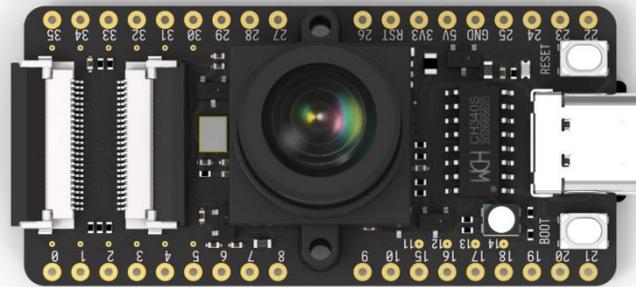
| HARDWARE FEATURES | |
|---|--------------|
| Supply voltage of external power supply | 4.8V ~ 5.2V |
| Supply current of external power supply | > 600mA |
| Temperature rise | < 30K |
| Range of working temperature | -30°C ~ 85°C |

Overall description



Outlook information

Size: 53.3x 25.4 x 13.0 mm



| Resource | |
|--|---|
| Website | www.sipeed.com |
| Github | https://github.com/Lichee-Pi |
| BBS | http://bbs.sipeed.com |
| Wiki | maixpy.sipeed.com |
| SDK Relevant information | dl.sipeed.com/MAIX/SDK |
| HDK Relevant information | dl.sipeed.com/MAIX/HDK |
| E-mail(Technical Support and Business Cooperation) | support@sipeed.com |
| telgram link | https://t.me/sipeed |



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