

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 USR
button \ MicroSD card(TF card)
slot



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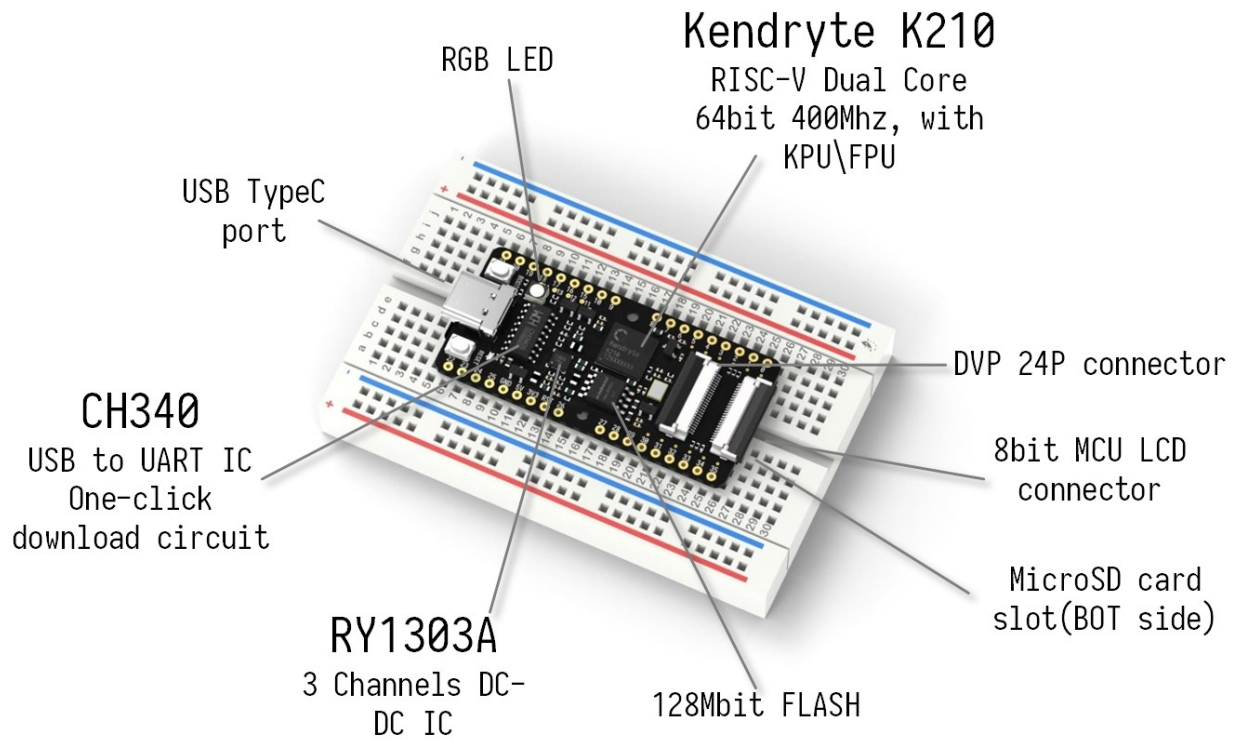
Update record	
V1.0	Edited on February 28, 2019 ; Original document

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 Onborad 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 Standrad development kit.
MicroPython Support	Support MicroPython on M1
Machine vision	Machine vision based on convolutional neural network
Machine hearing	High performance microphone array processor

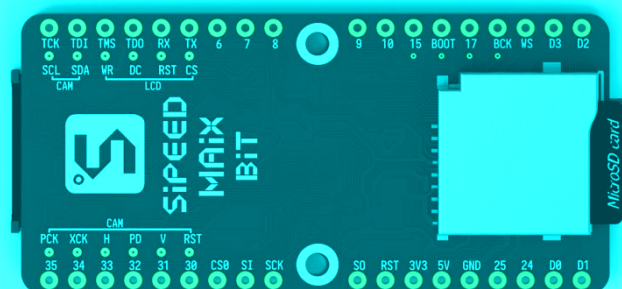
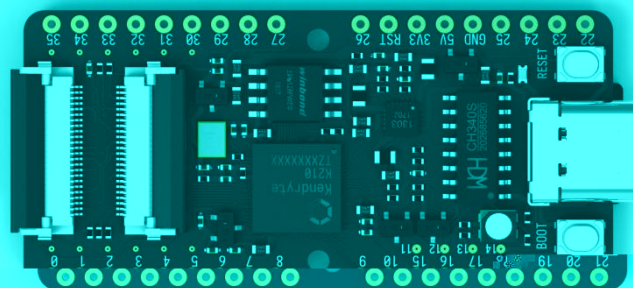
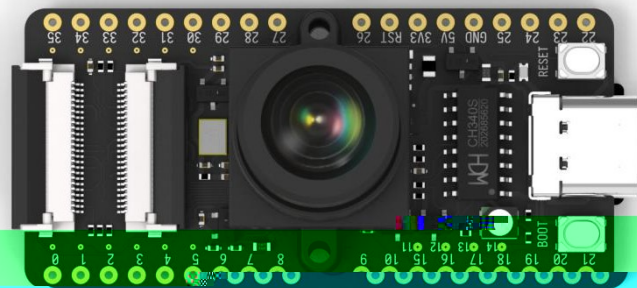
HARDWARE FEATURES	
Supply voltage of external power supply	4.8V ~ 5.2V
Supply current of external power supply	> 600mA
Temperature rise	<30K
Range of working temperature	-30°C ~ 85°C

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
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