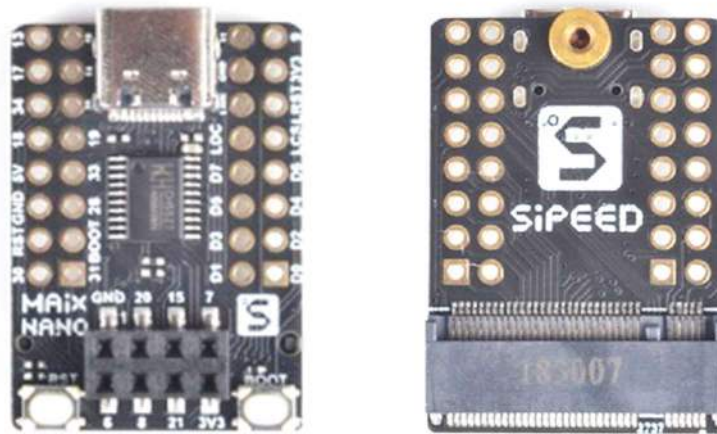


# Maix Nano Datasheet

## v1.0



### 特性:

- Main module : M1n (K210+3-channal DC-DC+24P Camera connector)
- Download circuit : Connect USB Type-C cable to complete the download
- Buttons : 1 Reset button and 1 user button
- 2.54mm spacing DIP holes: LCD pins and 16 GPIO pins
- Small size

**本文档更新记录**

V1.0	2019/11/8 Published original document

**功能概述**

M1n module	Main chip: Kendryte K210 FLASH:GD25LQ128 (128Mbit) 3-channal DC-DC: RY1303A provide 0.9V,3.3V and 1.8V Camera connector: 24P 0.5mm FPC connector
Download circuit	Connect USB Type-C cable to complete the download
2.54mm spacing DIP holes	LCD pins , 16 GPIO pins , and 8P connector
Power supply and download connecotr	USB-typeC connector
IDE	Maixpy IDE
Buttons	1 Reset button and 1 user button

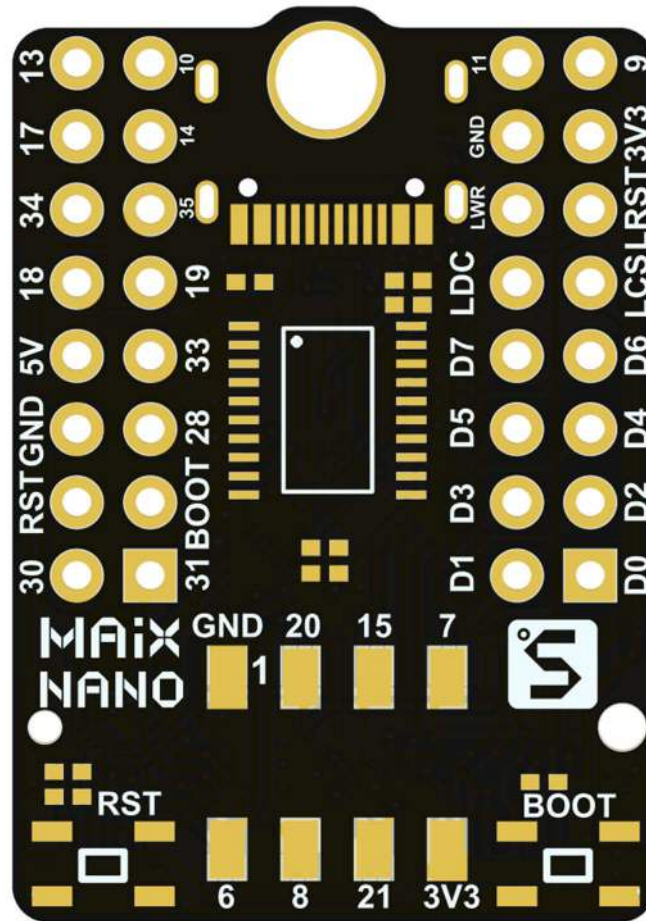
**SOFTWARE FEATURES**

FreeRtos & Standard SDK	Support FreeRtos and Standrad development kit
Serial Face recognition Firmware	Support simple serial firmware for Face recognition

**HARDWARE FEATURES**

External supply voltage requirement	3.4-5.9V (Recommend 5.0V)
External supply current demand	> 1.5W
Temperature rise	<30K
Range of working temperature	-30°C ~ 50°C

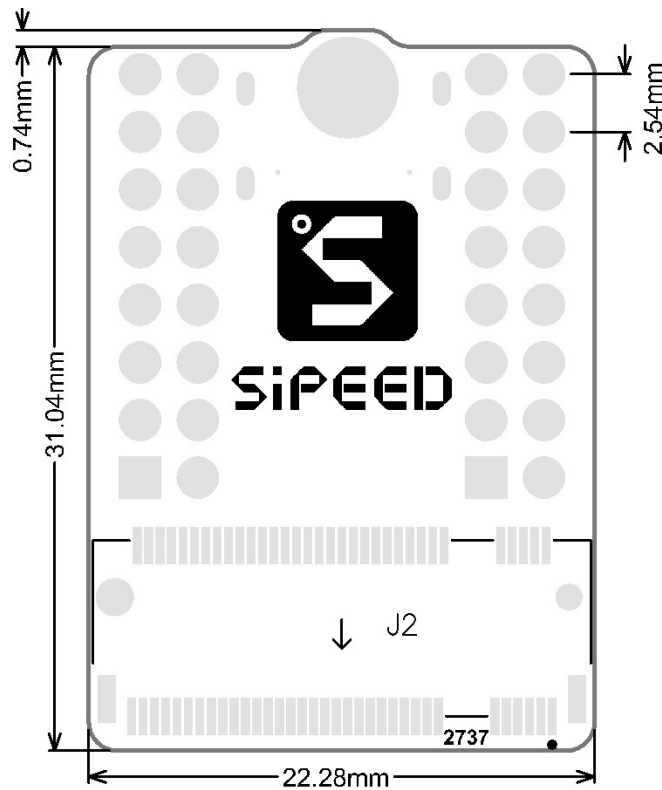
**Maix-Nano pin out**



Note:

LDC:LCD\_DC    LCS:LCD\_CS    LWR:LCD\_WR    LRST:LCD\_RST

Size information (Please download the DXF file in dl.sipeed.com)	
Length	31.7mm
Wide	22.2mm
Thickness	10.0 mm



Matters needing attention	
Boot mode selection	At startup, BOOT pin is used to select one of two boot options: <ul style="list-style-type: none"> <li>• Boot from main flash memory (Set BOOT pin 3.3V)(Float or pull up to 3.3V)</li> <li>• Enter ISP download mode (Set BOOT pin 0V)</li> </ul>
RST pin	Vrst range : 0 to 1.8V ; Active low ; Do not let the voltage of RST pin be greater than 1.8V

RESOURCES	
Official Website	<a href="http://www.sipeed.com">www.sipeed.com</a>
Github	<a href="https://github.com/sipeed">https://github.com/sipeed</a>
BBS	<a href="http://bbs.sipeed.com">http://bbs.sipeed.com</a>
Wiki	<a href="http://maixpy.sipeed.com">maixpy.sipeed.com</a>
Sipeed Model Store	<a href="https://maixhub.com/">https://maixhub.com/</a>
SDK Reference	<a href="http://dl.sipeed.com/MAIX/SDK">dl.sipeed.com/MAIX/SDK</a>
HDK Reference	<a href="http://dl.sipeed.com/MAIX/HDK">dl.sipeed.com/MAIX/HDK</a>
Firmware	<a href="http://dl.sipeed.com/MAIX/SDK/MF0_SDK_Prebuild">http://dl.sipeed.com/MAIX/SDK/MF0_SDK_Prebuild</a>
E-mail(Technical Support)	<a href="mailto:support@sipeed.com">support@sipeed.com</a>
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