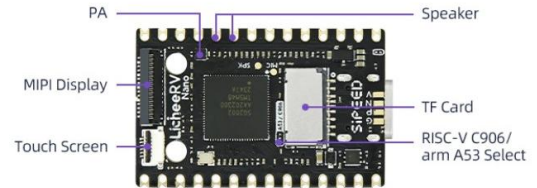
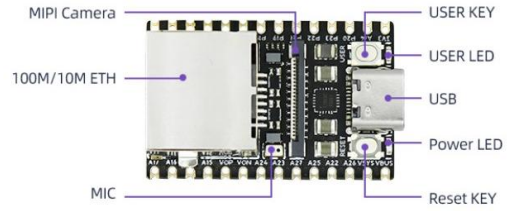
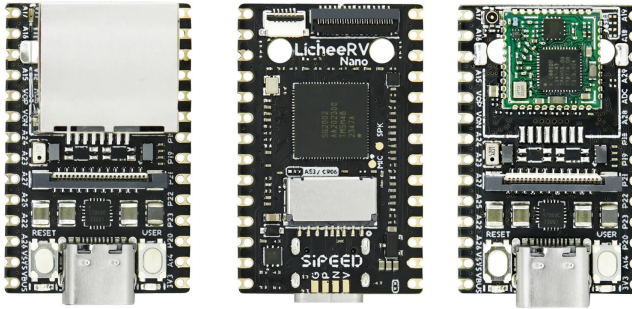


LicheeRV Nano

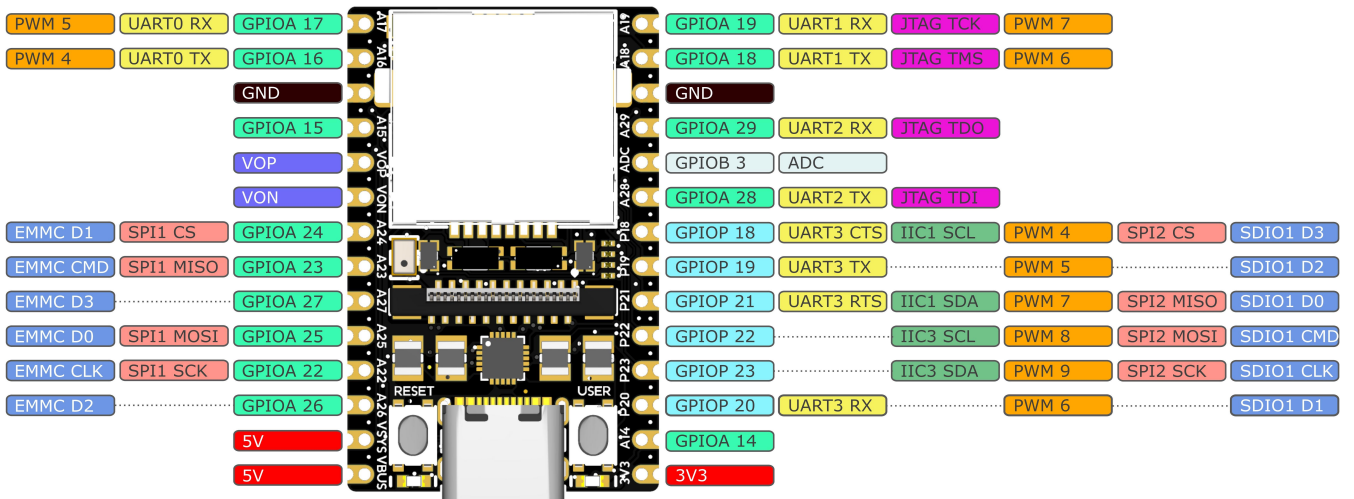
https://wiki.sipeed.com/hardware/en/lichee/RV_Nano

H. Högl, 21.4.2024



Item	Specification
CPU	SOPHGO SG2002; Major core: 1GHz RISC-V C906 / ARM A53 (selectable); Minor core: 700MHz RISC-V C906; Low-power core: 25~300M 8051
NPU	1TOPS INT8, supports BF16
Memory	Integrated 2Gbit (256MByte) DDR3
Storage	Bootable from either TF card / SD NAND (SD NAND pads under TF card slot)
Video Interface	Video Output: 2 lane MIPI DSI output, standard 31pin interface, supports 6pin capacitive touchscreen Video Input: 4 lane MIPI CSI input, 22Pin interface, supports dual CSI split
Audio Interface	Audio Output: Onboard PA amplifier, can directly connect speakers under 1W Audio Input: Onboard analog silicon microphone, capable of direct sound reception
Wired Connection	E suffix version supports 100M RJ45 connector

Wireless Connection	W suffix version supports 2.4G / 5.8G dual-band WiFi6 + BLE5.4
USB	1 x USB2.0 OTG Type-C
IO Interface	2 x 14pin 2.54 pin headers, 800mil spacing, breadboard-friendly
Buttons	1 x RST button + 1 x BOOT button
LEDs	1 x Power LED, 1 x User LED
Operating System	Buildroot Linux / Debian
Dimensions	22.86*35.56mm



■ Power
 ■ GND
 ■ GPIOA, Vio=3.3V
 GPIOB, Vio=3.3V
 ■ GPIOP, Vio=3.3V