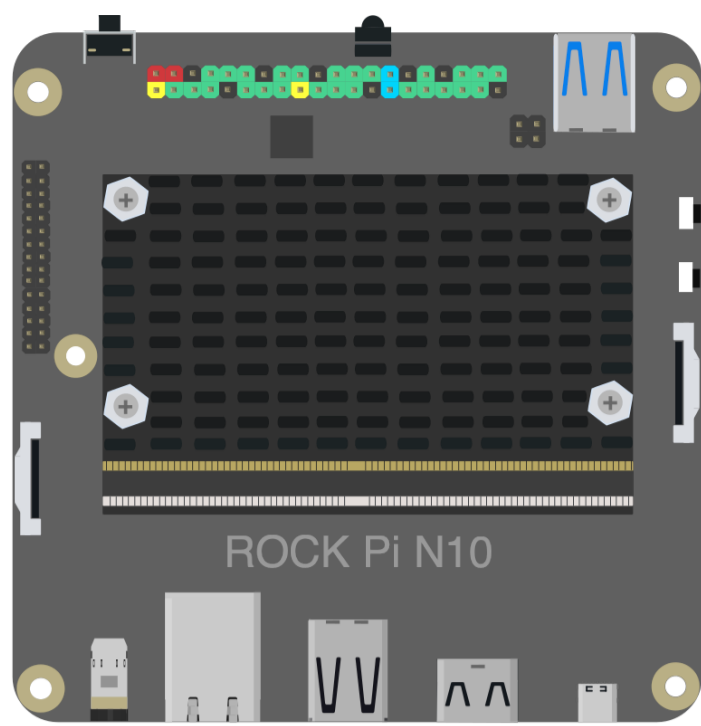


Specification



Model	ROCK PI N10 Model A	ROCK PI N10 Model B	ROCK PI N10 Model C
SoC	RK3399Pro		
CPU	Dual Cortex-A72, frequency 1.8Ghz with quad Cortex-A53, frequency 1.4Ghz		
GPU	Mali T860MP4 gpu, OpenGL ES 1.1 /2.0 /3.0 /3.1 /3.2, Vulkan 1.0, Open CL 1.1 1.2, DX11.		
NPU	Support 8bit/16bit computing, up to 3.0TOPs computing power		
Memory	LPDDR3 64bit dual channel LPDDR3@1866Mb/s, 4GB	LPDDR3 64bit dual channel LPDDR3@1866Mb/s, 6GB	LPDDR3 64bit dual channel LPDDR3@1866Mb/s, 8GB
Storage	eMMC 16GB eMMC 5.1 uSD card uSD slot supports up to 128G uSD card M.2 SSD M.2 connector supports up to 2T M.2 NVME SSD	eMMC 32GB eMMC 5.1	eMMC 64GB eMMC 5.1
Display	HDMI Full size HDMI 2.0 up to 4k@60(Type A) MIPI DSI MIPI DSI 2 lanes via FPC connector HDMI and MIPI DSI can work at the same time, support mirror mode or extend mode.		
Audio	3.5mm jack with mic HD codec that supports up to 24-bit/96kHz audio.		
Camera	MIPI CSI MIPI CSI 2 lanes via FPC connector, support up to 800MP camera		
Wireless	None Optional ROCK Pi Wireless Module		
USB	USB 3.0 OTG x1 hardware switch for host/device switch, upper one USB 2.0 HOST x2		
Ethernet	GbE LAN with PoE support additional HAT is required for powering from PoE		
IO	40-pin expansion header : - 1 x UART - 2 x SPI bus - 2 x I2C bus - 1 x PCM/I2S - 1 x SPDIF - 1 x PWM - 1 x ADC - 6 x GPIO - 2 x 5V DC power in - 2 x 3.3V power pin		
Others	RTC RTC battery connector for time backup(optional)		
Power	USB PD Support USB Type C PD 2.0, 9V/2A, 12V/2A, 15V/2A, 20V/2A Qualcomm® Quick Charge™ Support QC3.0/2.0 adapter, 9V/2A, 12V/1.5A		
Size	100mm x 100mm		