

ROCK PI Specifications

Model	ROCK PI 4 Model A	ROCK PI 4 Model B
Processor	64bit hexa core processor Rockchip RK3399 Dual Cortex-A72, frequency 1.8Ghz with quad Cortex-A53, frequency 1.4Ghz Mali T860MP4 GPU, supports OpenGL ES 1.1 /2.0 /3.0 /3.1 /3.2, Vulkan 1.0, Open CL 1.1 1.2, DX11.	
Memory	LPDDR4 64bit dual channel LPDDR4@3200Mb/s, 1GB/2GB/4GB optional	
Storage	eMMC module Optional industrial compatible high performance eMMC module, 8G/16G/32G/64G/128G available uSD card uSD slot supports up to 128G uSD card M.2 SSD M.2 connector supports up to 2T M.2 NVME SSD	
Display	HDMI HDMI 2.0 up to 4k@60 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	802.11 ac/b/g/n Bluetooth 5.0 with on board antenna
USB	USB 3.0 OTG x1 hardware switch for host/device switch, upper one USB 3.0 HOST x1 dedicated USB3.0 channel, lower one USB 2.0 HOST x2	
Ethernet	GbE LAN	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	85mm x 54mm	