



Shenzhen Tianyue Zhichuang Technology Co., Ltd.

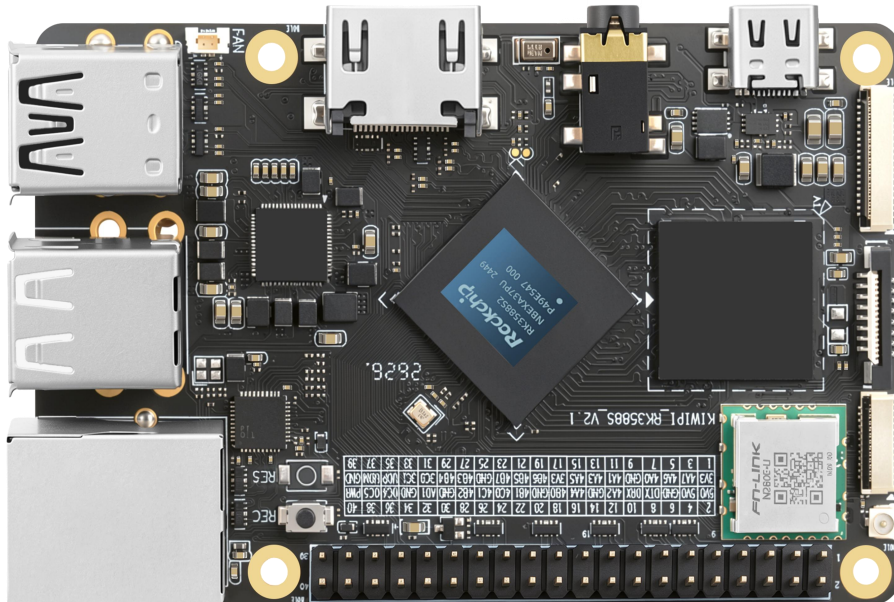
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Kiwi Pi 5



Basic Parameters

CPU	Rockchip RK3588S, 8nm process Quad-core ARM 64-bit 4*Cortex-A76@2.2GHz + 4*Cortex-A55@1.8GHz
GPU	ARM Mali-G610 MC4 OpenGL ES 1.1/2.0/3.1/3.2 OpenCL 1.1/1.2/2.0 Vulkan 1.1/1.2, High performance 2D image acceleration
NPU	Triple-core NPU, 6 TOPS Performance Support int4/int8/int16/FP16/BF16/TF32 acceleration Enable various AI applications
VPU	Video Decoding: 8K@60fps: H.265/VP9/AVS2 8K@30fps: H.264 AVC/MVC 4K@60fps: AV1 1080P@60fps: MPEG-2/-1/VC-1/VP8 Video Encoding: 8K@30fps: H.265/H.264 Support 32 channels of 1080P@30fps decoding and 16 channels of 1080P@30fps encoding at the same time

DDR	LPDDR4X 8GB (option: 4/16/32GB) 2133MHz, 64-bit
Storage	eMMC 128GB (Option: 64GB/256GB/512GB) MicroSD (TF) Card Slot
USB	1*Type-C (Full funtion:USB3.1-OTG,DP ALT) 1*USB 3.0 Host 2*USB 2.0 Host
Video Output	HDMI2.1 (Maximum resolution 8K@60fps) Type-C DP1.4 (maximum resolution 8K@30fps) Mipi-DSI 4-Lane (maximum resolution 2560*1600@60fps)
Video Iutput	2 * MIPI-CSI 4Lane
HDMI	HDMI2.1 (8K@60fps or 4K@120fps)
Wireless	WiFi-6 2.4/5 IEEE802.11 a/b/g/n/ac/ax Bluetooth 5.0 BLE 2.4Ghz and 5Ghz band channels, 1T1R
Ethernet	1000Mbps RJ45
Audio	3.5mm headphone jack with stereo audio output and mic input On board mic input
Expansion Port	40Pin header including Power output , I/O,power on/off key,Debugging I/O Pin can be program to UART, PWM, I2C, SPI, CAN, GPIO etc
FAN Port	1*0.8mm spacing 5V fan base
Button	Recovery key Reset key
LED	Red/Green LEDs
Power Supply	Type-C PD 12V/2A Support QC2.0/PD3.1/BC1.2 and The third party charging protocols
Supported OS	Linux 5.10 (option:Linux6.10) Android15, Debian12, Ubuntu24.04
Dimension	56mm(L) x 85mm(W)
Weight	40Grams