

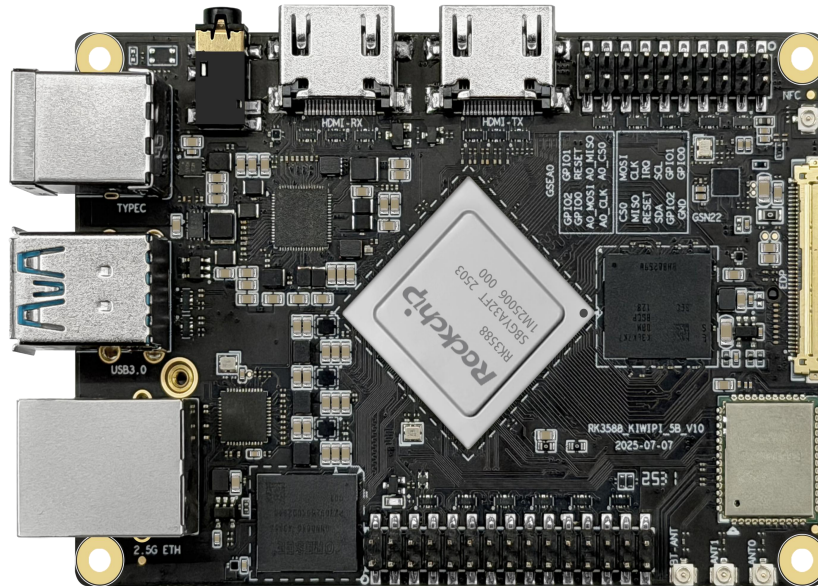


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Kiwi Pi 5B



Basic Parameters

RK3588 SOC	CPU	Rockchip RK3588, 8nm process Quad-core ARM 64-bit 4*Cortex-A76@2.2GHz + 4*Cortex-A55@1.8GHz
	GPU	ARM Mali-G610 MC4 OpenGL ES 1.1/2.0/3.0/3.1/3.2 OpenCL 1.1/1.2/2.0/2.2 Vulkan 1.1/1.2, High performance 2D image acceleration
	NPU	Triple core 6TOPS performance Support int4/int8/int16/FP16/BF16/TF32 acceleration
	VPU	Video Decoding: 8K@60fps: H.265(HEVC) /VP9/AVS2 8K@30fps: H.264 AVC 4K@60fps: AV1 1080P@60fps: VP8 / AVS1 / MPEG-2 / MPEG-4 / VC-1 Video Encoding: 8K@30fps: H.265(HEVC)/H.264 Support 16 channels of 1080P@30fps decoding and 16 channels of 1080P@30fps encoding at the same time

	Display	Built-in eDP/DP/ HDMI2.1/MIPI display interface Support multiple display engine max to 8K@60fps Supports multi-screen display with 8K60FPS max
	Video in and ISP	Dual 16M Pixel ISP with HDR&3DNR Multiple MIPI CSI-2 and DVP interface, support HDMI 2.0 RX Support HDMI2.0 input with 4K 60FPS max
	High speed interface	PCIe3.0 / PCIe2.0 / SATA3.0 / TYPE-C / USB3.1 / USB2.0
DDR	LPDDR5	8GB (option: 4/16/32GB)
On Board Storage	eMMC5.1	64GB (Option: 64GB/256GB/512GB)
Expand Storage	SDMMC	TF Card Slot
	SSD(NVME)	M.2 2280 M-Key Slot, PCIe3.0
WLAN	WIFI	WIFI6,IEEE802.11 a/b/g/n/ac/ax,2T2R
	BT	Bluetooth 5.2 Compatible with V2.1+EDR
	NFC	NFC-A/B/F/V communication, NFC-A/B/F card emulation
Video output	eDP	4 Lanes eDP 1.3, maximum video output capability up to 4K@60Hz
	MIPI-DSI	4 Lanes MIPI-DSI, maximum video output capability up to 2K@60Hz
	HDMI	Supports I2C touch panel
	Type-C	HDMI 2.1, maximum video output capability up to 8K@60Hz
Video input	MIPI-CSI	2 * 4Lanes MIPI-DPHY-CSI 2 * 4Lanes MIPI-C/DPHY-CSI
	HDMI	HDMI2.0 input

USB	Type-C	1 * Type-C 3.0 OTG with DP Alt mode 1 * Type-C DC power input support PD/QC charging protocol 1 * Type-C USB to UART debug
	USB3.0	2 * USB3.0 HOST
	USB2.0	1 * USB2.0 HOST(I/O Expand)
Audio	HP	3.5mm HP jack, support stereo output and mic input
	MIC	Onboard MEMS microphone
Real time clock	RTC	Support RTC with rechargeable battery
Security	eSE	Support Goodix GSEA0 and GSN22 eSE chip
I/O Expand	I/O	2.54mm pitch 2 * 15Pin socket with programable I/O support USB2.0,UART,I2C,SPI,CAN,PWM,GPIO etc. support 5V and 3.3V output
KEY	KEY buttons	Onboard Boot,Reset,Recovery buttons
Power supply	Power supply	Type-C DC power input support PD/QC charging protocol Default 12V/2.5A DC power supply
Operating system	OS	Linux 5.10 (option:Linux6.10) Android15, Debian12, Ubuntu24.04