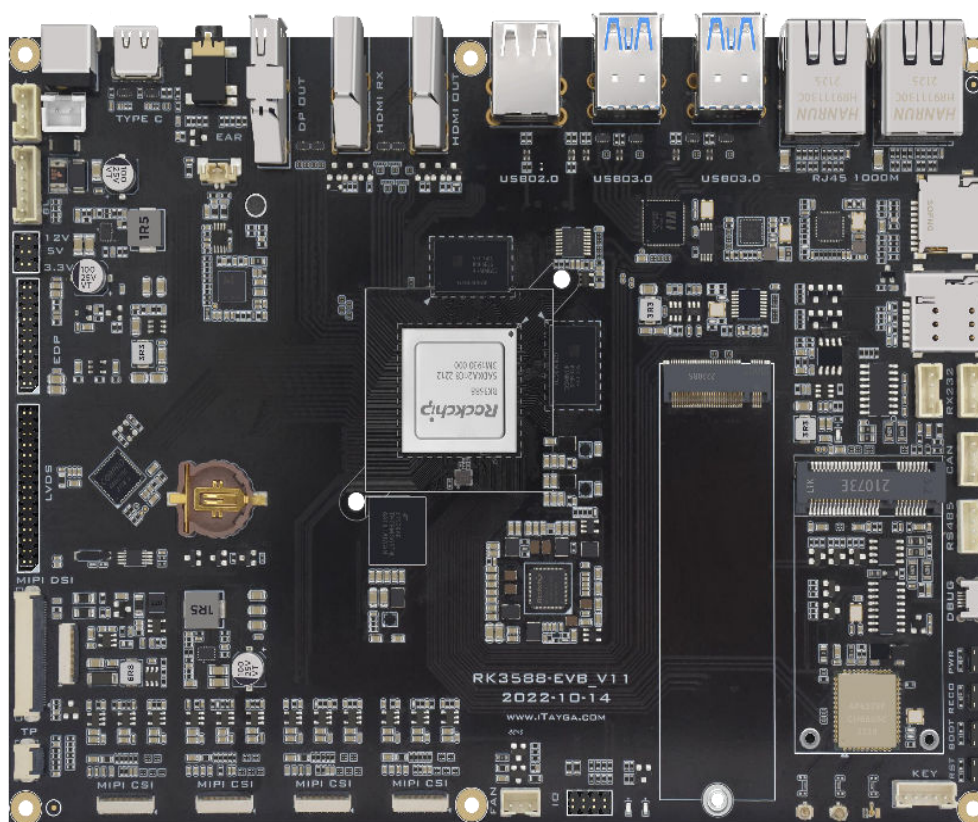


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Kiwi Pi 5Ultra



Basic Parameters

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 1.1/2.0/3.1/3.2 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
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,PD) 4*USB 3.0 Host 2*USB 2.0 Host
Serial Ports	2 × RS-232 1 × RS-485
Video Output	HDMI2.1 (Maximum resolution 8K@60fps) Type-C DP1.4 (maximum resolution 8K@30fps) Display Port DP 1.4 Mipi-DSI 4-Lane (maximum resolution 2560*1600@60fps)
Video lutput	4 * MIPI-CSI 4Lane HDMI RX 2.0
HDMI	1*HDMI TX 2.1 , 1*HDMI RX 2.0
Wireless	WiFi 6 (IEEE802.11 a/b/g/n/ac/ax up to 600.4Mbps) BT5.4 2.4Ghz and 5Ghz band channels, 2T2R
Ethernet	2×1000Mbps RJ45
Audio	3.5mm headphone jack with stereo audio output and mic input On board mic input
Power Supply	DC in 12V/2A
Supported OS	Linux 5.10 (option:Linux6.10) Android12, Debian11, Ubuntu22.04