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Kiwi Box 2



Basic Parameters

CPU	Rockchip RK3588S Quad core Cortex-A76 + Quad-core Cortex-A55 8nm process
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	Tri-core NPU with 6 TOPS of computing power Supports int4/int8/int16/FP16/BF16/TF32 acceleration Supports a wide range of 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 Supports simultaneous decoding of 32 streams of 1080P@30fps and encoding of 16 streams of 1080P@30fps
DDR	LPDDR4X 8GB (option: 4 / 16 GB) 2133MHz, 64-bit
eMMC5.1	128GB (option: 64 / 256 GB)
Panel	1.47-inch display, 320×172 resolution
USB Ports	1× Type-C (full-featured: USB 3.1 OTG, DP Alt Mode, PD) 1× USB 3.0 Host 1× USB 2.0 Host
HDMI	HDMI 2.1 (8K@60fps or 4K@120fps)
Wireless	Wi-Fi 6, 2.4/5GHz, IEEE 802.11 a/b/g/n/ac/ax Bluetooth 5.0 BLE Supports 2.4GHz and 5GHz bands, 1T1R
Ethernet	1000Mbps RJ45
Audio	3.5mm headset jack supporting stereo audio output and microphone input Built-in 2× 8Ω/2W speakers
RTC	3V 3.4mAh, Lithium Rechargeable Battery
Button	Capacitive touch power button with red/green LED indicator
Power Supply	Type-C PD 12V/2A
OS	Linux 5.10 (option:Linux6.10) Android15 / Ubuntu24.04 / Debian12
Dimensions	95mm × 95mm × 26mm
Weight	300g

Power Consumption	Idle: 0.84W（12V/60mA) Typical: 4.2W（12V/360mA) Max: 18W（12V/1500mA)
External Interfaces	1×Type-C 1×USB3.0 1×USB2.0 1×HDMI 2.1 1×RJ45 1000Mbps Ethernet 1×3.5mm headphone jack
Environmental Conditions	Operating Temperature: 0°C ~ 60°C Storage Temperature: -20°C ~ 70°C Humidity: 10% ~ 90% (non-condensing)