iTayga Shenzhen Tianyue Zhichuang Technology Co., Ltd.

Address: Room 510, 516, Block A, Mingyou Procurement Center, No. 168 Baoyuan Road, Bao'an District, Shenzhen, China

Contact：Dawn　　Emai：sales@kiwipi.com　　Tel：+86 17727416771

Kiwi Box 1



Basic Parameters

CPU	Rockchip RK3588 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 graphics 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	8GB LPDDR4X 2133MHz, 64-bit (option: 4 / 16 GB)
eMMC5.1	128GB (option: 64 / 256 GB)
Storage	PCIe3.0 M.2 slot inside, suport 2280 NVME SSD Mirco SD card slot inside, suport TF card storage expansion
Pcie	1× PCIe 2.0 interface (for Wi-Fi and Bluetooth modules)
Panel	3.16-inch capacitive touchscreen, 820×320 resolution
USB	2× 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 (Optional: internal M.2 slot supporting 2230 PCIe wireless modules)
Ethernet	1000Mbps RJ45
Audio	3.5mm headset jack supporting stereo audio output and microphone input Built-in 2× 8Ω/2W speakers
RTC	CR1220 lithium battery, 3V/38mAh
Button	Capacitive touch power button with red/green LED indicator
Power Supply	Type-C PD 12V/2A

OS	Linux 5.10 (optional: Linux 6.10) Android 15 / Ubuntu 24.04 / Debian 12
Dimensions	160mm × 160mm × 38mm
Weight	820g
Power Consumption	Idle: 1.35W（12V/110mA) Typical: 4.8W（12V/400mA) Max: 20W（12V/1700mA)
External Interfaces	2× Type-C 1× USB 3.0 1× USB 2.0 1× HDMI 2.1 1× RJ45 1× 3.5mm headset jack 1× 5V fan connector, 1.25mm pitch
Environmental Conditions	Operating Temperature: 0℃ ~ 60℃ Storage Temperature: -40℃ ~ 70℃ Humidity: 10% ~ 90% (non-condensing)