

	ROCK 5A	ROCK 5B	ROCK 4SE	ROCK 4C+	ROCK 3A	ROCK 3C
SoC	Rockchip RK3588S	Rockchip RK3588	Rockchip RK3399-T	Rockchip RK3588	Rockchip RK3568	Rockchip RK3566 T
Processor	Octa-core Arm®DynamIQ™		Hexa-Core Arm® big.LITTLE™ technology		Quad-core Arm® Cortex® A55 (ARMv8)	
Clock	2.5GHz		1.5GHz //1.0GHz	1.5GHz //1.4GHz	2.0GHz	
NPU	Up to 6 Tera Operations Per Seconds (TOPS)		—		Up to 0.8 Tera Operations Per Seconds (TOPS)	
GPU	Arm Mali™ G610MC4		Arm Mali™ T860MP4		Arm Mali™G52	Arm Mali™G52-2EE
Memory	4GB/8GB/16GB 64bit LRDDR4 RAM		4GB 64bit LRDDR4 RAM		2GB/4GB 64bit LRDDR4 RAM	
Power	USB Type-C™ PD Qualcomm®Quick Charge™ GPIO	USB Type-C™ PD GPIO	USB Type-C™ PD	USB Type-C™ PD GPIO	USB Type-C™ PD Qualcomm®Quick Charge™ GPIO	USB Type-C™ PD GPIO
HDMI	1x MicroHDMI up to 8K@60fps 1x MicroHDMI up to 4K@60fps	2x HDMI up to 8K@60fps 1x MicroHDMI Input up to 4K	1x HDMI up to 4K@60fps	2x HDMI up to 4K@60fps	1x HDMI up to 4K@60fps	
USB	1 x USB 3 HOST 1 x USB3 OTG-HOST 2 x USB2 HOST	2 x USB2 HOST	1 x USB 3 HOST 1 x USB3 OTG-HOST 2 x USB2 HOST	2 x USB2 HOST 1 x USB3 HOST 1 x USB3.0 OTG-HOST	2 x USB2 HOST 1 x USB3 HOST 1 x USB3.0 OTG-HOST	
Audio Ports	3.5mm jack - stereo output/mic input		3.5mm jack - stereo output/mic input		3.5mm jack - stereo output/mic input	
Connectivity	M.2 E Key/Ethernet	M.2 M key/M.2 E Key/Ethernet	WiFi®5/Bluetooth® 5.0		M.2 E Key / M.2 M Key / Ethernet	WiFi®5/Bluetooth® 5.0 M.2 M Key Ethernet
MIPI	1x 4 lane DSI / 1x 4 lane CSI		1x 2 lane DSI / 1x 2 lane CSI	1x 4 lane DSI / 1x 2 lane CSI	1x 2 lane DSI / 1x 2 lane CSI	
Storage	Micro SD/eMMC		Micro SD/eMMC		Micro SD/eMMC	
UARTS	5x UART (x2 with flow control)	2x UART	2x UART		5x UART	
External Antenna	×	×	×	○	×	×
RTC	○	○	○	×	○	×
Power On/Off	○	○	×	○	○	○
Size (mm)	85x56	100x74	85x56	85x56	85x56	85x56
Software	ARMv8 Instruction Set/Debian/Ubuntu Linux/Android12 RKPU2 NPU software stack/Hardware access /Control libraly for Linux/Android		ARMv8 Instruction Set Debian/Ubuntu Linux Android 11 GPU enabled AI stack, (e.g.Caffe) Hardware access/control library for Linux/Android	ARMv8 Instruction Set Arm Neon™Advanced SIMD /ArmV8 cryptography extensions TrustZone® technology support Debian/Ubuntu Linux Android 11 GPU enabled AI stack,stack,(e. Caffe) Hardware access/control library for Linux/Android	ARMv8 Instruction Set Debian/Ubuntu Linux /Android 11 / Hardware access control library for Linux/Android	
Operation Temp	0 ~50°C		0 ~50°C		0 ~50°C	
Unit Price	257-3560(16GB/1unit)…¥26,218 257-3562(8GB/1unit)…¥19,825 257-3561(4GB/1unit)…¥16,638	254-3914(16GB/1unit)……¥29,621 254-3159(8GB/1unit)……¥24,550 256-3915(4GB/1unit)……¥21,185 256-5079(16GB/50units)…¥29,059 250-2785(8GB/50units)……¥24,062 256-5080(4GB/50units)……¥20,809	220-9536(4GB/1unit)…¥10,967 251-3632(4GB/100units)…別途見積	249-3158(4GB/1unit)…¥8,436 250-2784(4GB/100units)…別途見積	256-3910(2GB/1unit)…¥7,968 256-5076(2GB/100units)…¥7,874 256-3911(4GB/1unit)…¥9,852 256-5077(4GB/100units)…¥9,655	249-3157(1GB/1unit)…¥5,343 250-2783(1GB/100units)…¥5,296 256-3902(2GB/1unit)…¥6,749