

# RK3588 Android 12/Linux Debian11

## 8K 6 4G 16GB

Model	RK3588
Processor	Rockchip RK3588 8nm Cortex-A76 Cortex-A55
GPU	ARM Mali-G610 MC4 OpenGL ES 1.1/2.0/3.1/3.2 Vulkan 1.1, 1.2 OpenCL 1.1,1.2,2.0
AI	6 TOPS int4/int8/int16/FP16/BF16/TF32
RAM	4GB/8GB LPDDR4/LPDDR4x
ROM	32G/64G/128G/256G eMMC5.0/5.1
WiFi	IEEE 802.11a/b/g/n/ac/ax Wi-Fi6 2.4GHz/5.8GHz PCIe v3.0
Bluetooth	2T2R
OS	Android 12
Kernel	5.0

Video	<ul style="list-style-type: none"> <li>* MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8 MVC, AV1</li> <li>* MMU</li> <li>* H.264 AVC/MVC Main10 L6.0 8K@30fps (7680x4320)</li> <li>* VP9 Profile0/2 L6.1 8K@60fps (7680x4320)</li> <li>* H.265 HEVC/MVC Main10 L6.1 8K@60fps (7680x4320)</li> <li>* AVS2 Profile0/2 L10.2.6 8K@60fps (7680x4320)</li> <li>* AV1 8/10bit L5.3 4K@60fps (3840x2160)</li> <li>* MPEG-2 MP 1080p@60fps (1920x1088)</li> <li>* MPEG-1 MP 1080p@60fps (1920x1088)</li> <li>* VC-1 AP 3 1080p@60fps (1920x1088)</li> <li>* VP8 2 1080p@60fps (1920x1088)</li> <li>* H.265/H.264 8K@30fps</li> <li>* 1600 ISP HDR&amp;3DNR</li> </ul>
Audio	<ul style="list-style-type: none"> <li>I2S 8</li> <li>* 8 TX 8 RX</li> <li>* 16 32</li> <li>* 192KHz</li> <li>* 3 I2S</li> <li>* 4 PCM early/late1/late2/late3</li> <li>* TDM 1/2 1 2</li> <li>* I2S PCM TDM</li> </ul>

Power	DC 12V/2A
BT	BT
HDMI	<ul style="list-style-type: none"> <li>HDMI 1 HDMI 2.1/7680x4320@60Hz</li> <li>HDMI 2 HDMI 2.1/4096x2304@60Hz</li> <li>HDMI 3 HDMI 2.0/HDMI 1.4b 4K x 2K 3840x 2160p@24Hz/25Hz/30Hz</li> <li>4096x2160p@24Hz</li> </ul>
Port	1*3.5mm
LAN	1*1000M(RGMII)
LAN	2*1000M
TF	1*TF

USB

2\*USB 2.0

1\*USB3.0

C

1\*Type C 3.0



# Rockchip RK3588

Next generation Octa-Core processor with high performance AI system-on-module



# 8K Ultra High Quality

Unlock the potential of 8K video output and 4K video input. Rich details display to let you see the world more clearly.



4K 3840×2160

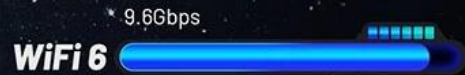
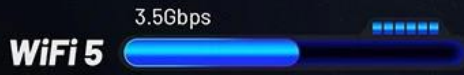


8K 7680×4320



# WiFi 6

WiFi6 is faster and has a larger capacity



2T2R 802.11 ax/ac/a/b/g/n



BT 5.0



# Android 12/Linux Debian11

Compatible with Android and Linux operating systems



# Multi-Screen Different Display

Enhance your viewing experience with multi-screen display.  
Perfect for immersive, high-definition, multi-screen interactive scenarios.



# Large Memory Capacity

Large storage capacity up to 32GB RAM and 128GB ROM, which allows you to install a wide number of applications.

RAM  4G 8G 16G 32G ROM  16G 32G 64G 128G





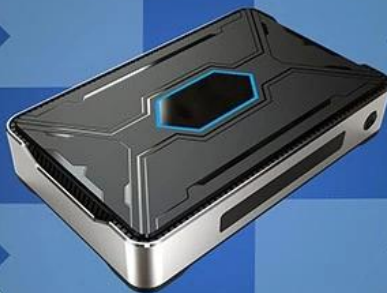
# WHAT CAN WE DO?



Watch movies



Working Conference



Teaching



Play games



