

# Rockchip RK3588 Octa Core Android 12

8K



Processor	Rockchip RK3588 Octa Core 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
NPU	6 NPU int4/int8/int16/FP16/BF16/TF32
RAM	4 (64) LPDDR4/LPDDR4x
Storage	32 / 256 / 512 / 1024 / 2048 / 4096 (eMMC5.0/ 5.1)
Network	IEEE 802.11a/b/g/n/ac/ax, Wi-Fi6 2.4, 5.8, PCIe v3.0
Connectivity	2T2R, 12 antennas
OS	Android 12

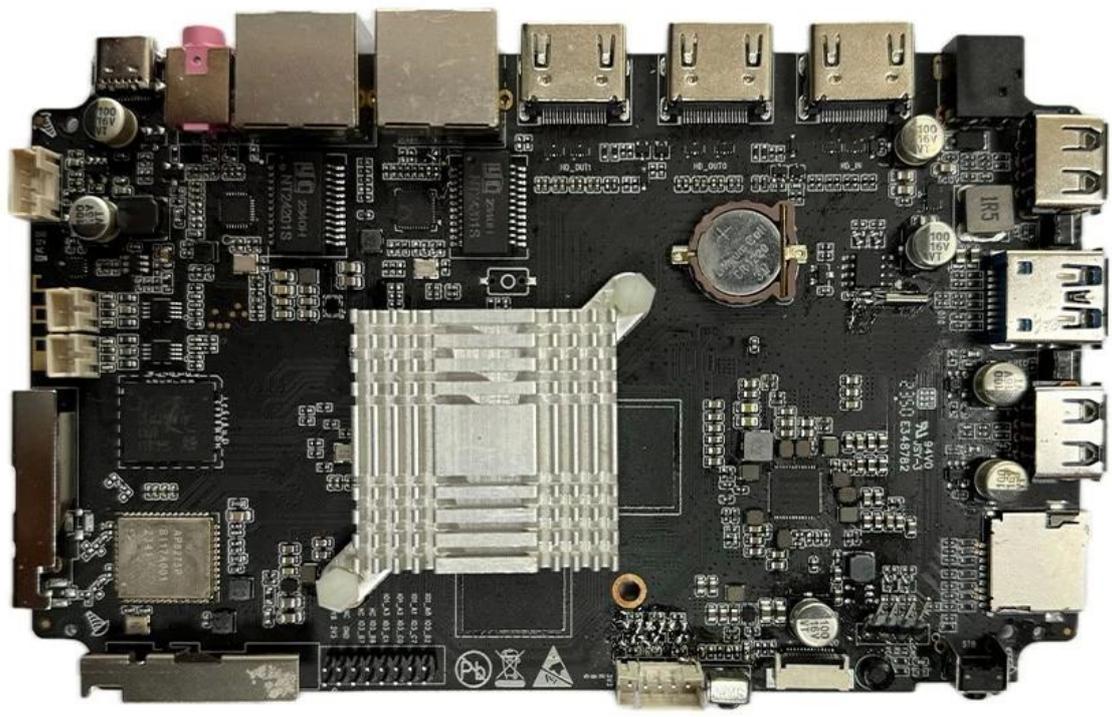
Video Codec	<ul style="list-style-type: none"> <li>* MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8, MVC, AV1</li> <li>* MMU</li> <li>* H.264 AVC/MVC Main10 L6.0: 8K 7680) 30 (4320x4320)</li> <li>* VP9 0/2 L6.1: 8K 4320 x 7680) 60 (4320x4320)</li> <li>* H.265 HEVC/MVC Main10 L6.1: 8K@60 7680) 60 (4320x4320)</li> <li>* AVS2 0/2 L10.2.6: 8K (4320 x 7680) 60 (4320x4320)</li> <li>* AV1 8/10 L5.3: 4K x 3840) 60 (2160x2160)</li> <li>* MPEG-2 MP: 1080p@60fps (1920x1088)</li> <li>* MPEG-1 MP: 1080p@60fps (1920x1088)</li> <li>* VC-1 AP 3: 1080 1088 x 1920) 60 (1080x1088)</li> <li>* VP8 (1088 x 1920) 60 (1080x1088) :2</li> <li>* H.265/H.264 8K @ 30 (4320x4320)</li> <li>* HDR 3DNR</li> </ul>
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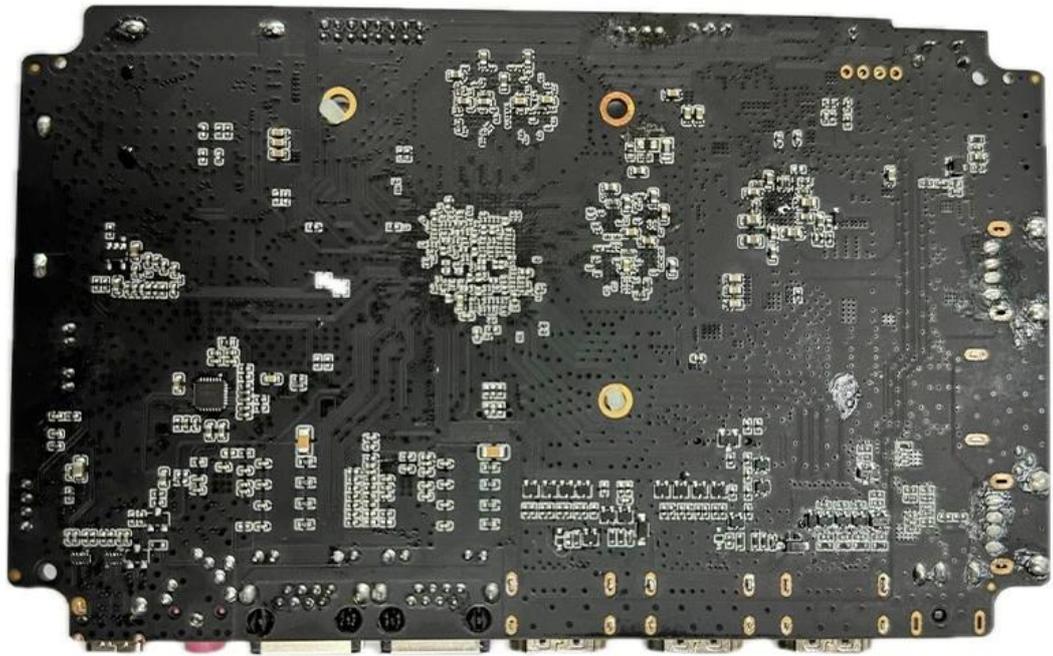
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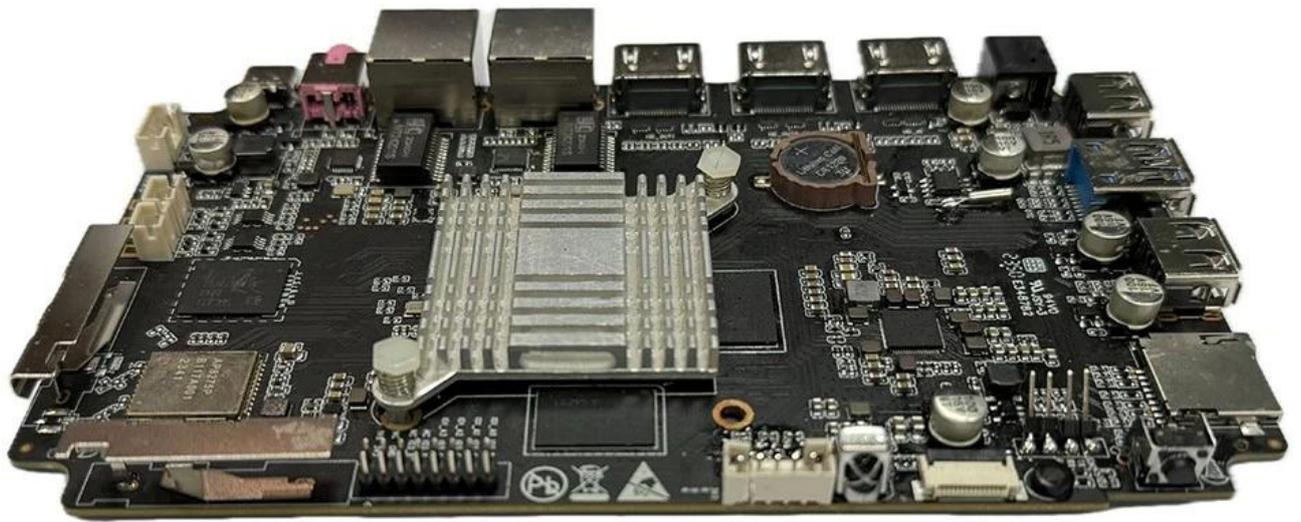
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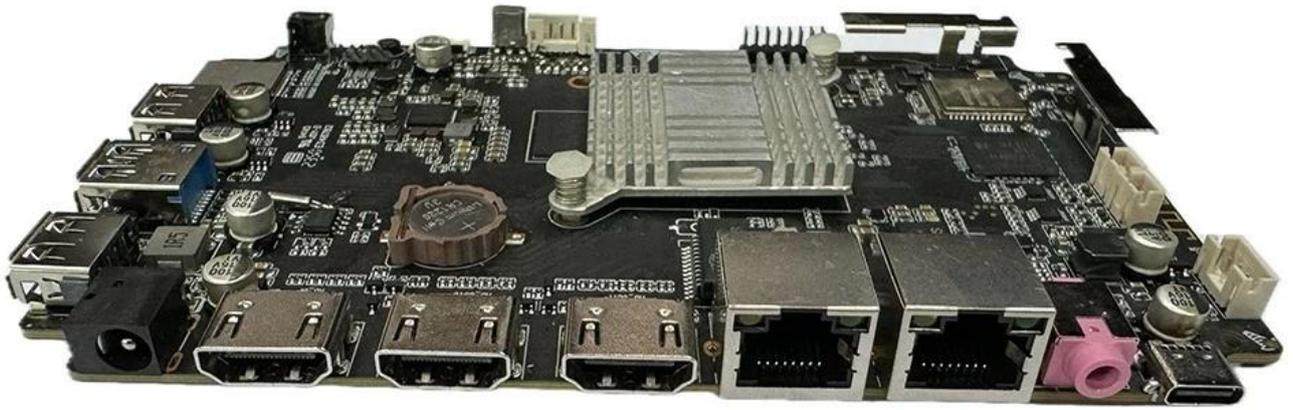
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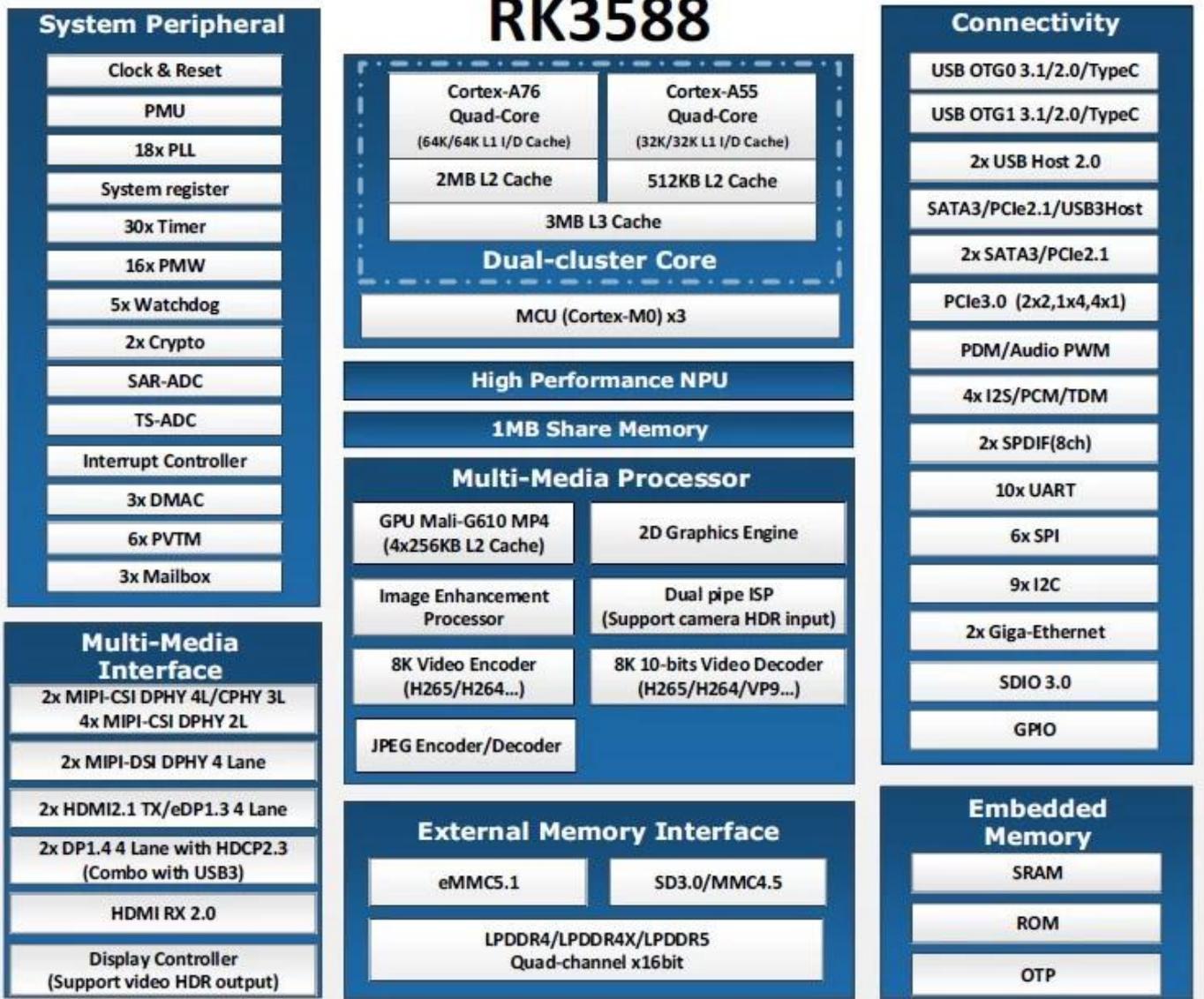
8	: 2/ 12
RTC	
8	BT
8 8 8	HDMI 1: HDMI 2.1/7680x4320 60 HDMI 2: HDMI 2.1/4096x2304 60 HDMI: HDMI 2.0/HDMI 1.4b 4K x 2K (3840x 2160p@24 25/4096 30/2160p@24)
8	3.5*1
8	1000*1:1 (RGMII)
8	1000*2:1
8	1 *
8 8 8	2 * (2.0
8	1 * USB3.0
8-C	1 * C 3.0











## Typical Application Diagram – AIoT





**Overview**

Rockchip RK3588 Octa Core Android 12 OTT TV Box . This device is designed for high-performance streaming and entertainment. It features an Octa-core processor, 8K Ultra HD video support, and is compatible with Android 12. The RK3588 chip is known for its efficiency and performance in various applications, including smart displays, AI cameras, and edge computing. The OTT TV box is a perfect choice for users looking for a high-quality streaming experience.

**Key Features**

The Rockchip RK3588 OTT TV Box offers several key features:
 

- 8K Ultra HD Video:** Supports 8K Ultra HD video playback for the highest quality streaming experience.
- Android 12:** Runs on the latest Android 12 operating system, providing access to a wide range of apps and services.
- Efficient Performance:** The Octa-core processor ensures smooth playback and fast app loading.
- Wide Compatibility:** Supports various streaming services and content formats.

**8K Video Support**

The Rockchip RK3588 OTT TV Box 8K supports 8K Ultra HD video playback. This feature allows users to enjoy the most detailed and vibrant content available. The device is equipped with advanced video processing capabilities to ensure that 8K content is displayed at its full potential. The RK3588 chip's powerful video engine is the key to this high-resolution support.

**Android 12 Operating System**

The TV Box RK3588 runs on the Android 12 operating system, providing a modern and user-friendly interface. It offers access to a vast library of apps, including popular streaming services like Google Play, Netflix, and Hulu. The system is optimized for performance and security, ensuring a smooth and reliable viewing experience. The RK3588 chip's integration with Android 12 enhances the overall user experience.

**Performance Specifications**

The Rockchip RK3588 OTT TV Box features a powerful Octa-core processor and 4GB of RAM, ensuring smooth performance and fast app loading. It also supports WiFi 6, providing high-speed internet connectivity. The device is designed for efficient power consumption, making it an ideal choice for long-term use. The RK3588 chip's advanced architecture contributes to its superior performance and reliability.

Rockchip RK3588 OTT TV Box

8 GB RAM, 128 GB Storage, 4K Ultra HD, Android 12, Rockchip RK3588, USB, HDMI 2.1

Product

Rockchip RK3588 12 GB RAM, 128 GB Storage, 4K Ultra HD, Android 12, Rockchip RK3588, USB, HDMI 2.1