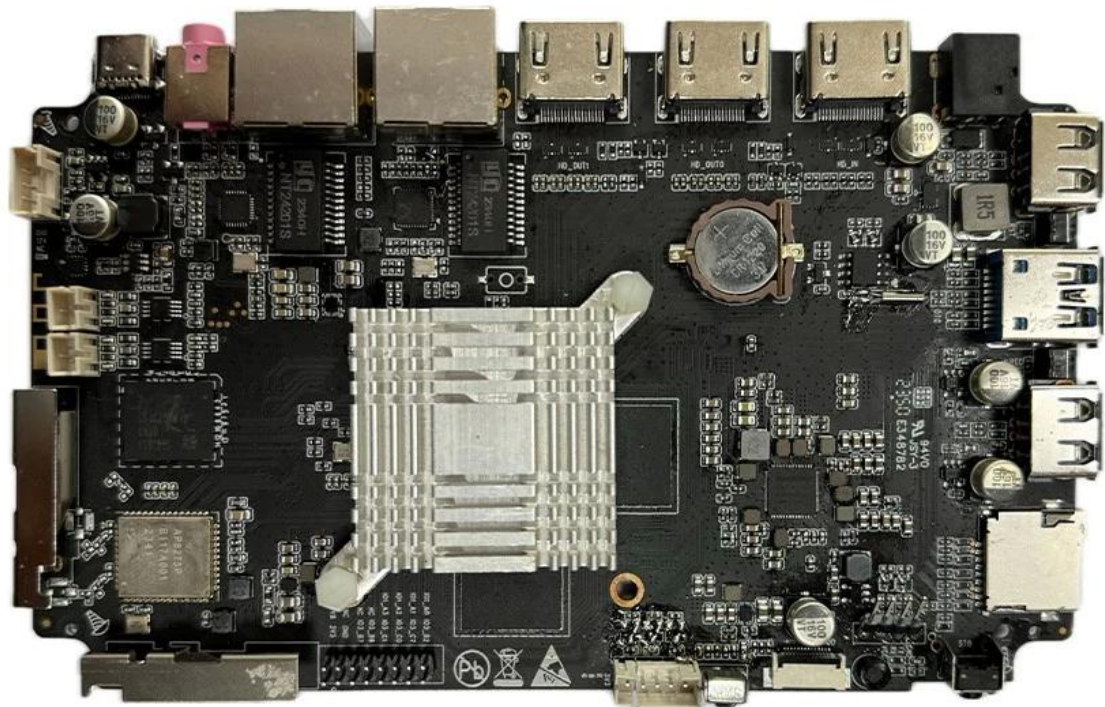


Rockchip RK3588

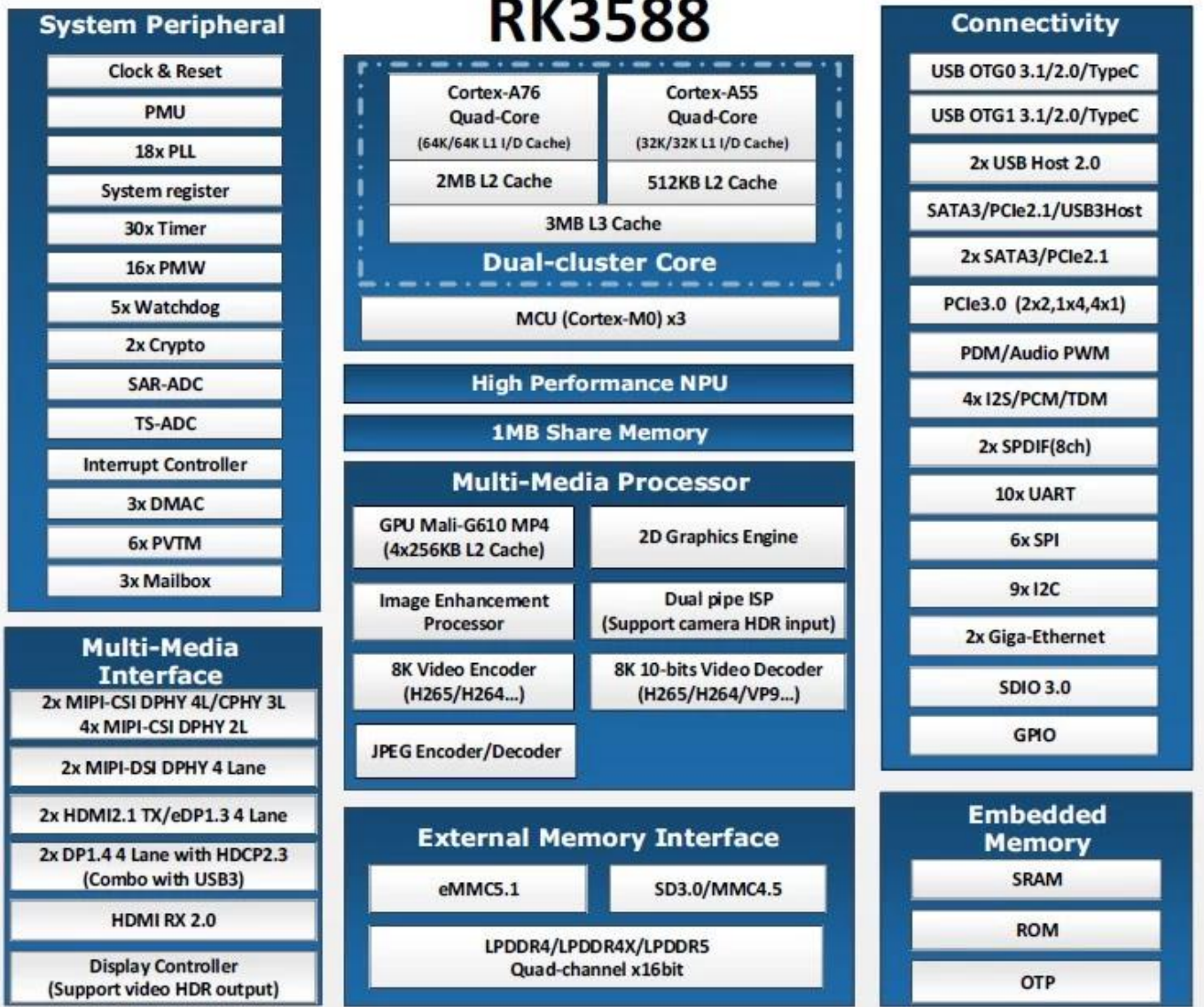
Rockchip
RK3588
A high performance, low power AIoT processor











Typical Application Diagram – AIoT





Rockchip RK3588

Target Applications

Rockchip RK3588 is a powerful SoC designed for a wide range of applications. It features a high-performance CPU, GPU, and AI capabilities, making it ideal for edge computing, smart displays, and AI cameras. The RK3588 also supports various connectivity options, including Wi-Fi 6E, USB 3.0, and Bluetooth 5.0, ensuring seamless integration into modern systems.

Key Features:

- **High Performance:** The RK3588 is built on a 6nm process, offering excellent performance and power efficiency. It is designed for applications requiring high performance and low power consumption.
- **8K UHD Video Support:** The RK3588 supports 8K Ultra HD video recording and playback, making it ideal for high-resolution video applications.
- **AI Capabilities:** The RK3588 features a powerful AI engine, including a neural network processor (NPU), enabling advanced AI applications such as image recognition and object detection.
- **Connectivity:** The RK3588 supports a wide range of connectivity options, including Wi-Fi 6E, USB 3.0, and Bluetooth 5.0, ensuring seamless integration into modern systems.

System Integration:

The RK3588 is designed for easy system integration. It provides a comprehensive set of interfaces and protocols, including I2C, SPI, and UART, to facilitate communication with various peripherals. Additionally, the RK3588 supports a wide range of operating systems, including Linux and Android, providing flexibility in system development.

Get the Full Story

Rockchip RK3588 Octa-Core

Rockchip RK3588 Octa-Core 8-core processor with 6nm process technology. It features a powerful performance and energy efficiency. The processor is designed for various applications, including AI, video processing, and IoT. It supports various protocols and standards, ensuring compatibility and flexibility. The processor is a great choice for developers looking for a high-performance, low-power solution.

8-core processor

Rockchip RK3588 Octa-Core 8-core processor with 6nm process technology. It features a powerful performance and energy efficiency. The processor is designed for various applications, including AI, video processing, and IoT. It supports various protocols and standards, ensuring compatibility and flexibility. The processor is a great choice for developers looking for a high-performance, low-power solution.

8-core processor

8-core processor with 6nm process technology. It features a powerful performance and energy efficiency. The processor is designed for various applications, including AI, video processing, and IoT. It supports various protocols and standards, ensuring compatibility and flexibility. The processor is a great choice for developers looking for a high-performance, low-power solution.

8-core processor

8-core processor with 6nm process technology. It features a powerful performance and energy efficiency. The processor is designed for various applications, including AI, video processing, and IoT. It supports various protocols and standards, ensuring compatibility and flexibility. The processor is a great choice for developers looking for a high-performance, low-power solution.

8-core processor

8-core processor with 6nm process technology. It features a powerful performance and energy efficiency. The processor is designed for various applications, including AI, video processing, and IoT. It supports various protocols and standards, ensuring compatibility and flexibility. The processor is a great choice for developers looking for a high-performance, low-power solution.

8-core processor

8-core processor with 6nm process technology. It features a powerful performance and energy efficiency. The processor is designed for various applications, including AI, video processing, and IoT. It supports various protocols and standards, ensuring compatibility and flexibility. The processor is a great choice for developers looking for a high-performance, low-power solution.