



## Features

- ▶ 4 x ARM Cortex-A53 SoC up to 1.5 GHz
- ▶ 100MBit Ethernet, Wi-Fi6, 1x1 with antenna diversity
- ▶ Bluetooth 5.3 / BLE / LE Audio (listing available)
- ▶ USB 2.0
- ▶ 4GBit DDR3 RAM, 4GB Flash
- ▶ PDM support for MEMS microphones
- ▶ Compatible with all common audio formats, including multi-channel audio
- ▶ Voice assistant ready — no DSP required
- ▶ Advanced security features
- ▶ Low power consumption
- ▶ Low application cost (direct-to-PCB design, no interface connectors required)
- ▶ Solder-on module designed to be directly soldered onto PCB
- ▶ SMT-compatible for automated assembly
- ▶ Supply voltage: 3.7–5.2V

## Potential Applications

- ▶ Streaming audio receivers
- ▶ Smart speakers
- ▶ Music streamers
- ▶ Connected soundbars with built-in voice assistants
- ▶ Home automation products
- ▶ IoT connectivity devices

## Product Integration

- ▶ Optimised to run proven and feature-rich **StreamSDK** software (Immersive Audio requires external DSP)
- ▶ Reference application & schematics for voice assistant or streaming products
- ▶ Reference code for host microcontrollers
- ▶ Mass production fixture for programming final product software via a simple PC interface for production automation
- ▶ Testing of modules before soldering to application boards
- ▶ Complete product testing support
- ▶ Local FAE support available in Asia
- ▶ Module size 31 x 40 mm

**StreamUnlimited**, founded in 2005, is a supplier of software solutions and hardware modules for connected audio and IoT products, with over 120 employees at office locations in Vienna, Bratislava, Shenzhen, Osaka and San Francisco. As the de facto global system integrator offering its own IP and engineering services, StreamUnlimited development partnerships include all major semiconductor companies and technology providers in the consumer electronics and IoT channel. StreamUnlimited works with a global cross-section of high-end audio, CEDIA-channel, premium and mainstream consumer electronics and smart home manufacturers.



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