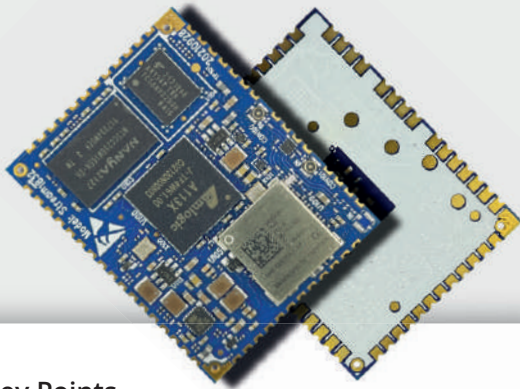


Stream1832

Advanced Audio Module for Chromecast
built-in and Amazon Voice Services



Key Points

- ▶ Minimised development effort and time-to-market
- ▶ Cost-effective / Low consumption
- ▶ The latest generation quad-core SoC platform provides ample processing capabilities, also for future updates
- ▶ Wifi with antenna diversity for enhanced link robustness
- ▶ Low application cost (direct insertion onto application PCB; no interface connectors required)
- ▶ Streamlined hardware and software licensing models
- ▶ Size: 31 x 40mm

Potential Applications

- ▶ Streaming audio receivers
- ▶ Wireless streaming speakers
- ▶ Wireless speakers and connected soundbars with voice assistant built-in
- ▶ Home automation products
- ▶ Wifi IoT devices

Features

- ▶ 4 x ARM Cortex-A53 SoC
- ▶ Wifi 802.11ac 1x1 with Antenna Diversity
- ▶ Bluetooth / USB
- ▶ Compatible with all common audio formats including multi-channel audio
- ▶ UPnP / DLNA
- ▶ Multi-room playback capability
- ▶ Compatible with MEMS microphones (PDM)
- ▶ Voice assistant support without DSP

Easy Product Integration

- ▶ Reference application & schematics for voice assistant or streaming products
- ▶ Reference code for host micro controller
- ▶ Mass production fixture for:
 - ▶ Programming final product software via local buttons
 - ▶ Programming final product software via a simple PC interface for production automation
- ▶ Testing of programmed modules prior to soldering to application board
- ▶ Production testing of complete product
- ▶ Local FAE support in Asia
- ▶ Module available from local production in China, or via self-manufacturing with Streamunlimited support

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, Iasi, Shenzhen, Japan and Santa Clara, CA. 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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