Stream1832

Mainstream hardware module for audio streaming & IoT.

StreamUnlimited

Years of Connectivity for Things

Potential Applications

▶ Streaming audio receivers

▶ Wireless streaming speakers

▶ Connected soundbars with voice assistant built-in

▶ Home automation products

▶ Wi-Fi IoT devices

Features

▶ 4 x ARM Cortex-A53 SoC

▶ 100MBit Ethernet, IEEE 802.11a/b/g/n/ac 1x1 with antenna diversity (Wi-Fi 5)

▶ Bluetooth listing available (Bluetooth 5.2 / BLE)

▶ USB 2.0

▶ 4GBit DDR3 RAM, 4GBit Flash

▶ Compatible with MEMS microphones (PDM)

▶ Compatible with all common audio formats including multi-channel audio

▶ Voice assistant support without DSP

▶ Low power consumption

▶ Low application cost (attaches directly to the application PCB; no interface connectors required)

▶ Advanced security features

Product Integration

▶ Optimised to run proven and feature-rich **StreamSDK** software (Immersive Audio support with external DSP)

▶ Reference application & schematics for voice assistant or streaming products

▶ Reference code for a host microcontroller

▶ Mass production fixture for 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 the complete product

▶ Local FAE support in Asia

▶ Module available from local production in China, or via self-manufacturing with StreamUnlimited support

▶ Module size 31 x 40mm

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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V6.2