Stream1955

Premium hardware module for bit-accurate and immersive audio streaming.

Potential Applications

▸ Smart Dolby ATMOS, 360 Reality Audio, DTS:X soundbars

▸ Connected audio products with or without voice assistant, high-quality display, 3D audio

▸ High-end audio products

▸ Enhance any product by adding connectivity and voice assistance

▸ High-end streaming amplifiers

Features

▸ Quad-Core ARM Cortex-A53, 1.8GHz, NXP i.MX 8M Mini — high processing power with a range of signal interfaces

▸ 1Gbit Ethernet, Wi-Fi6E

▸ Bluetooth 5.3 / BLE / LE Audio (listing available)

▸ USB 2.0

▸ 8Gb DDR4 RAM, 16 Gb eMMC (pSLC)

▸ PDM support for MEMS microphones

▸ Supports all major audio formats, including multi-channel audio

▸ 3D audio decoding in SoC; voice assistant support — no DSP required

▸ Multichannel audio input/output, TDM supported

▸ Low power consumption

▸ Advanced security features

▸ 2× 80-pin high-speed board-to-board connectors

▸ Supply voltage: 3.7–5.2V

Product Integration

▸ Optimised to run proven and feature-rich **StreamSDK** software (Immersive audio is possible)

▸ 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

▸ Production testing of the complete product

▸ Local FAE support in Asia

▸ Module size 34 x 47mm

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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