Stream1955

Premium hardware module: bit accurate & immersive audio streaming.

StreamUnlimited

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Years of Connectivity for Things

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

Features

▸ Quad Core ARM A53 1.8 GHz NXP iMX8M mini with ample processing power and a variety of signal interfaces

▸ GBit Ethernet, IEEE 802.11a/b/g/n/ac/ax 2x2 (Wi-Fi 6)

▸ Bluetooth listing available (Bluetooth 5.1 / BLE / LE Audio)

▸ USB 2.0

▸ 8Gb DDR4 RAM, 16 Gb eMMC (pSLC)

▸ Compatible with MEMS microphones (PDM)

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

▸ 3D Audio decoding in SoC, voice assistant - no DSPs required

▸ Multichannel audio input and output, TDM support

▸ Low power consumption

▸ Advanced security features

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

▸ 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.

StreamUnlimited Engineering GmbH

Gutheil-Schoder-Gasse 10, 1100 Vienna, Austria

E-mail: sales@streamunlimited.com

Website: www.StreamUnlimited.com

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