StreamUnlimited Stream1955 Voice Assistant Capability in One Single Module Owner's Manual
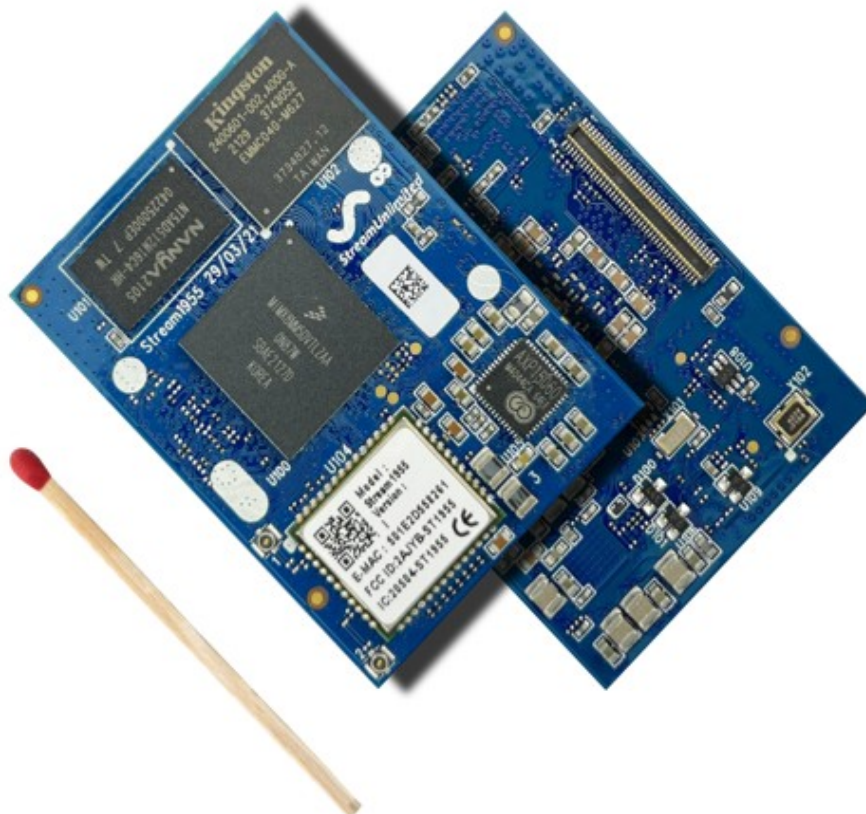
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Stream1955
Online connectivity, 3D audio (Dolby Atmos…) and voice assistant capability in one single module
Next-generation System-On-Module enables a breakthrough for connected Smart Soundbars with Dolby Atmos / 360 Reality Audio / DTS:X

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 2×2 (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
- Optimised to run proven and feature-rich StreamSDK Software: Spotify Connect, AirPlay2, Chromecast built-in, UPnP and so much more

Potential Applications

- Smart Dolby ATMOS / 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

Product Integration

- Optimised to run proven and feature-rich StreamSDK Software
- 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
- Size: 34mm 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, 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.

StreamUnlimited
Connectivity for Things

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Documents / Resources

 StreamUnlimited Stream1955 Voice Assistant Capability in One Single Module [pdf] Owner's Manual
Stream1955 Voice Assistant Capability in One Single Module, Stream1955, Voice Assistant Capability in One Single Module, Single Module, Module

References

- **[Home - StreamUnlimited Engineering GmbH](#)**