



Features

- ▶ Dual-Core ARM Cortex-A32 @ 1.3GHz
- ▶ Wi-Fi 6 (802.11b/g/n/ac/ax, 20MHz channel bandwidth)
- ▶ Bluetooth including BLE and LE Audio
- ▶ USB 2.0 host/device
- ▶ 2Gb RAM, 2Gb Flash
- ▶ 4x PDM inputs (up to 8 digital microphones)
- ▶ Analog and digital (I2S) audio I/O
- ▶ MIPI DSI or SPI for display connection
- ▶ Multiple GPIO/UART/I2C/SPI/ADC/touch sense interfaces
- ▶ Equalizer
- ▶ Low power consumption
- ▶ Solder-on module designed to be directly soldered onto PCB
- ▶ SMT-compatible for automated assembly
- ▶ Supply voltage 3.7-5.2V

Potential Applications

- ▶ Digital radios
- ▶ Streaming audio receivers
- ▶ Wireless speakers
- ▶ Smart speakers
- ▶ Home automation products
- ▶ Industrial applications
- ▶ Wi-Fi IoT devices
- ▶ Smart home
- ▶ Wi-Fi headphones
- ▶ Health and fitness
- ▶ Automotive
- ▶ Smart city
- ▶ Smart logistics
- ▶ Advanced human machine interfaces and gateway

Product Integration

- ▶ Optimized to run proven and feature-rich **StreamSDK** software (limited features)
- ▶ Reference application and schematics for voice assistant or streaming products
- ▶ Support for in-circuit flashing, product testing, and recovery
- ▶ Local FAE support available in Asia
- ▶ Module size: 25.4 × 27.5 mm

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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