

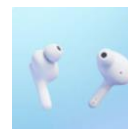
## Overview

WQ7036 is a high-standard Bluetooth audio SoC chip that is embedded with the HiFi 5 DSP and NPU to support complex multi-microphone uplink noise reduction algorithms and key word spotting in low power. WQ7036 integrates a hybrid (FF+FB) ANC, which supports headset applications that support depth noise reduction in high bandwidth. WQ7036 features various interfaces and high-level integration. It is applicable to advanced TWS noise reduction earphones and other low-power products that require sophisticated audio processing and voice AI capabilities.

## Functions

- Supports BT /BLE 5.3 dual protocol stack.
- Support BLE Audio and LC3 codec.
- Supports hybrid (FF+FB) ANC.
- Provides larger SRAM and Flash memories to realize wide applications.
- Improves RF performance.
- Works as a software platform and supports various products.

## Applications



TWS earphone

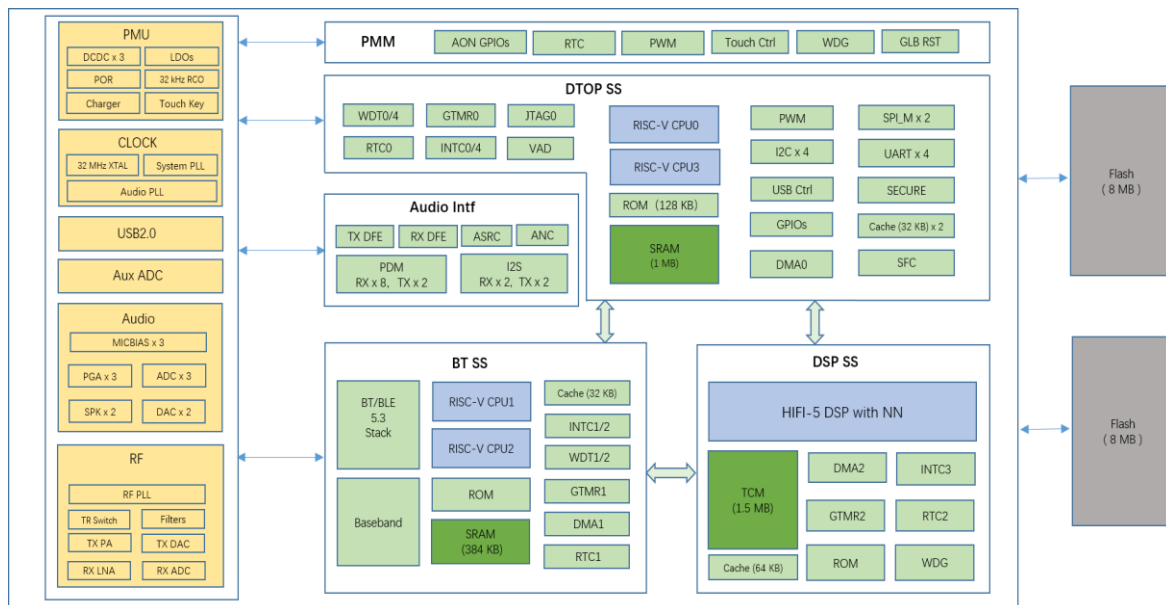


Gaming headset



Bluetooth speaker

## Block Diagram



### Disclaimer