



SKYWORKS®

Maximize the Wireless Audio Experience

Skyworks ASoC-based cognitive wireless audio processors use proprietary technology to convey uncompressed, high-quality audio (up to 24-bit, 96 kHz) with extremely low and stable latency. The ASoCs intelligently optimize link quality, avoiding interference from Wi-Fi or other sources.

Gamers demand wire-like performance to keep the edge in competitive games where milliseconds mean virtual life or death. Home theater audiences appreciate sub-microsecond latency variation to maximize audio imaging. The 120 dB dynamic range creates impressive crescendos while preserving subtle dialog.

Featured Products

SKY763xx: Cognitive Wireless Analog System on Chip (ASoC) and Audio Processors

Features

- 2.4 GHz and 5.2 to 5.8 GHz solutions
- Uncompressed and lossless encoding
- 7 to 18 ms latency
- Single arbiter up to 8 clients
- Sub- μ s variation in latency
- Supports Hi-Res audio
- Up to 1 Mbps auxiliary data
- Robust performance

Products

- Cognitive wireless gaming client (RX)
- Cognitive wireless gaming client (TX)
- Gaming headset ASoC (RX)
- Multi-channel/smart audio accessory platform package
- Multiple packages available: aQFN, QFN, BGA, and WLCSP



Skyworks ASoC audio solutions use UL2X, a proprietary radio technology designed to maximize audio performance in wireless designs. Featuring high levels of integration, UL2X is a cognitive platform that intelligently optimizes link quality and includes battery charger/voltage regulation, advanced audio processing, and versatile I/O interfacing. These features enable cost-effective designs that lead to unique customization and differentiation.

Contact your Skyworks Sales Representative for more information.