

Golden Award

Ultra-Low-Power Multimodal AI SoC



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[Company Website](https://www.realtek.com/en/company)



Winning Reason

With the rapid development of TinyML and edge AI, chips like RTL8735C are fast becoming one of the hottest items on the market. Its low power consumption, high performance, and multimodal support make it competitive in the IoT and edge computing fields. Compared to traditional cloud solutions, edge AI chips can significantly reduce data transmission costs while enhancing real-time capabilities and privacy protection.

Product Feature

1. Single Chip Integration: ultra high integration merges wireless communication, imaging, two way audio, and AI edge computing, reducing complexity and cost.
2. AI ISP: Advanced AI ISP handles high res, full color imaging in low light, overcoming traditional illumination limits and enhancing monitoring.
3. High Speed Wireless: Wi-Fi 6 and Bluetooth 5.3 ensure fast, stable data for IoT.
4. Ultra Low Power: Perfect for wearables and battery devices, ensuring long operation.
5. Compact Module: Minimal footprint suits homes, industry, and wearables. 6. Secure & Stable: PSA L2 certification and tough tests safeguard data. 7. Broad Use: Ideal for smart homes, healthcare, industrial, and more, leading the market.

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