

Product Overview

EZAIRO 7160 SL: Audio Processor, Wireless-Enabled DSP for Hearing Aids

For complete documentation, see the [data sheet](#).

Enabling wireless connectivity in hearing aids, Ezairo® 7160 SL is an open-programmable DSP-based hybrid module that supports Bluetooth® Low Energy and other 2.4 GHz wireless protocols.

What's Included in Ezairo 7160 SL

Ezairo 7100 Digital Signal Processor (DSP): Includes a high precision, quad-core architecture that delivers 375 MIPS without sacrificing power consumption.

RSL10 Radio IC: Industry's lowest power Bluetooth 5 certified wireless transceiver supporting industry's lowest power Bluetooth Low Energy and proprietary 2.4 GHz protocols

EA2M: 2 Mb EEPROM memory for storing important hearing aid parameters and firmware

Development Tools

Ezairo Preconfigured Suite

Open-Programmable Evaluation & Development Kit (EDK)

To access Ezairo-based development tools, please contact your Sales Representative or Authorized Distributor.

Applications

- Wireless Connectivity
- Audio Processing
- Stereo Audio Streaming
- Control Over Bluetooth Low Energy

End Products

- Hearing Aids

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	WDR Channels	Graphic EQ Bands	Program Modes	Advanced Algorithms	Acoustic Indicators	Other Features	Wireless Standards	Package Type
E7160-0-102A57-AG		Pb-free Halide free non AEC-Q and PPAP	Active	16	33	8	Adaptive Feedback Cancellation Adaptive Noise Reduction Automatic Adaptive Directionality Directional Microphone Stereo Audio Streaming	Tone Sequences Voice Alerts	Datalogging Digital Volume Control Software Configurable	2.4 GHz Proprietary Bluetooth @ Low Energy	SIP-57
E7160-0-102A57-BPG		Pb-free Halide free non AEC-Q and PPAP	Active	16	33	8	Adaptive Noise Reduction Automatic Adaptive Directionality Directional Microphone Environmental Classification Stereo Audio Streaming	Tone Sequences Voice Alerts	Datalogging Digital Volume Control Software Configurable	2.4 GHz Proprietary Bluetooth @ Low Energy	SIP-57

For more information please contact your local sales support at www.onsemi.com.

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