



AI- and ML-Based Audio Processor for Consumer Electronics and Robotics

AUD10 NEW

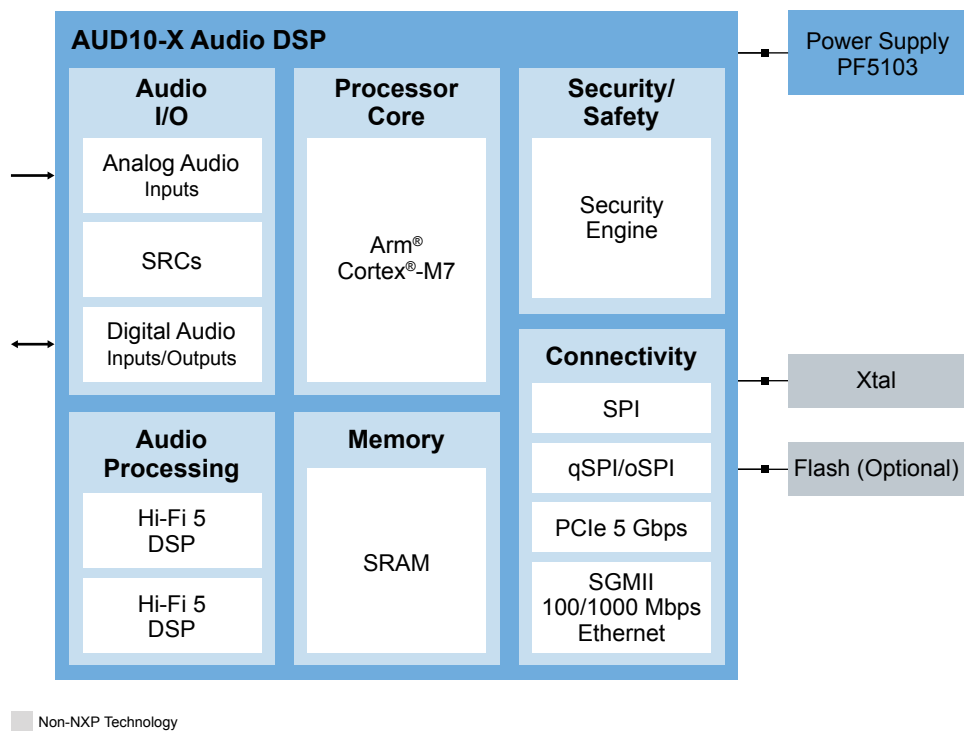
Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information [contact support](#) or your sales representative.

Last Updated: Aug 3, 2026

AUD10 is a scalable audio chip solution that combines HiFi 5 audio digital signal processors (DSPs), an Arm® Cortex®-M7 microcontroller (MCU) with both analog and digital audio interfaces. It offers a multi-purpose solution for professional and semi-professional audio, robotics and industrial audio applications. AUD10 features a large static random-access memory (SRAM) memory on-chip and supports both Peripheral Component Interconnect Express (PCIe) and Gigabit Ethernet. AUD10 supports AI/ML accelerators and includes NXP hardware-based bi-quad accelerators.

AUD10 Block Diagram



View additional information for [AI- and ML-Based Audio Processor for Consumer Electronics and Robotics](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.