



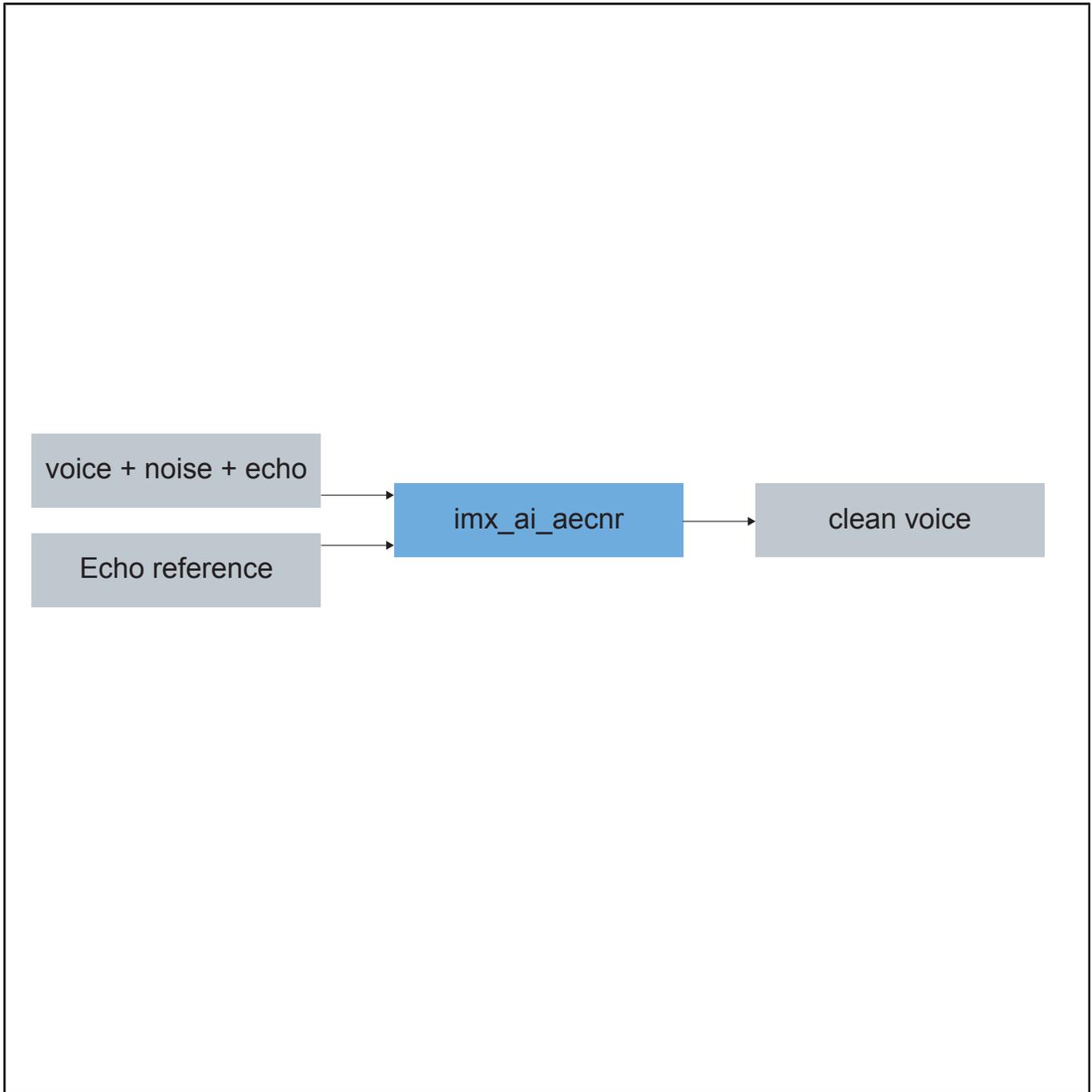
AI Acoustic Echo Cancellor and Noise Reduction Software for Voice Applications

AI-AECNR

Last Updated: Jan 16, 2026

This deep learning-based algorithm effectively suppresses echo and noise in speech signals without the need of tuning. It offers an efficient speech-enhancement solution that can run on a microprocessing unit (MPU). It supports both full-duplex and two-way communication and a voice-user interface like voice assistant.

AI-AECNR Block Diagram



View additional information for [AI Acoustic Echo Canceller and Noise Reduction Software for Voice Applications](#).

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.