



EdgeReady i.MX RT106V–Based Smart Voice User Interface Solution

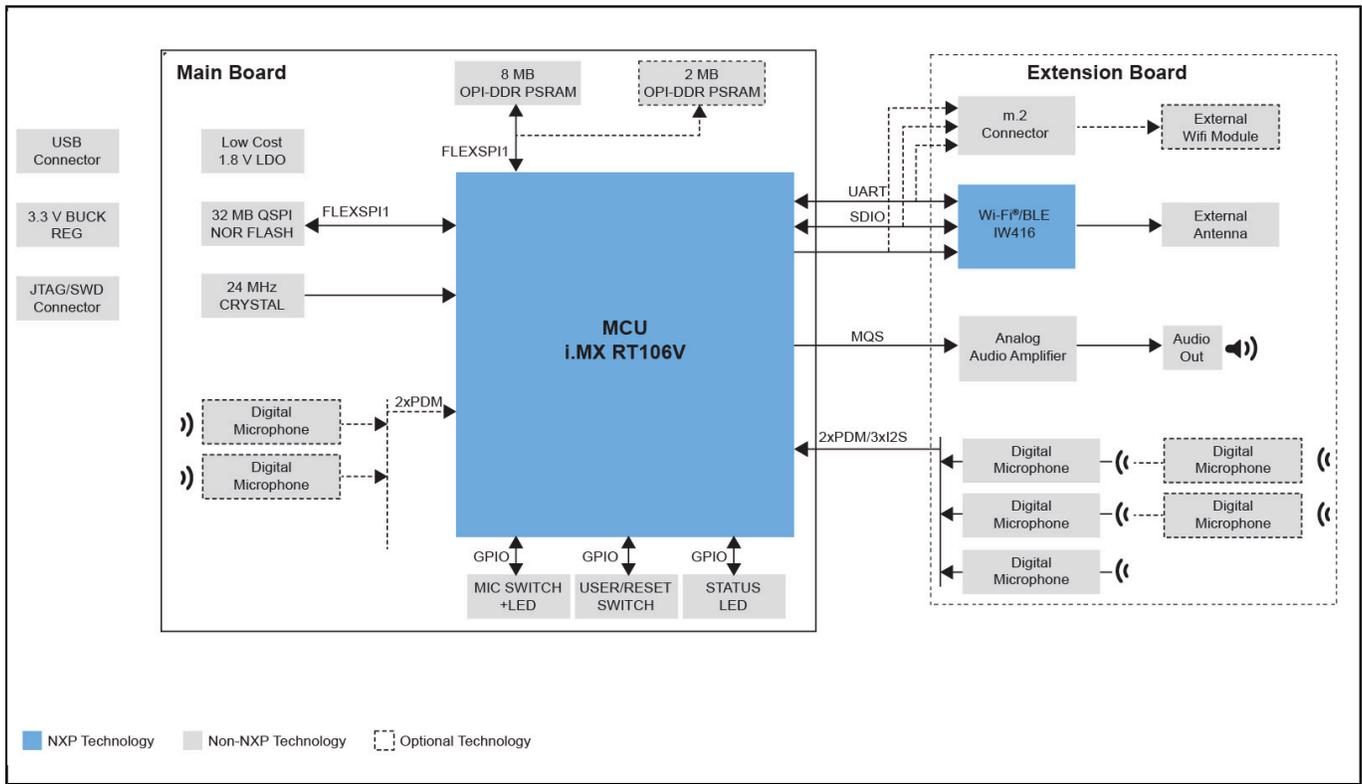
SLN-SVUI-IOT

Last Updated: Nov 21, 2024

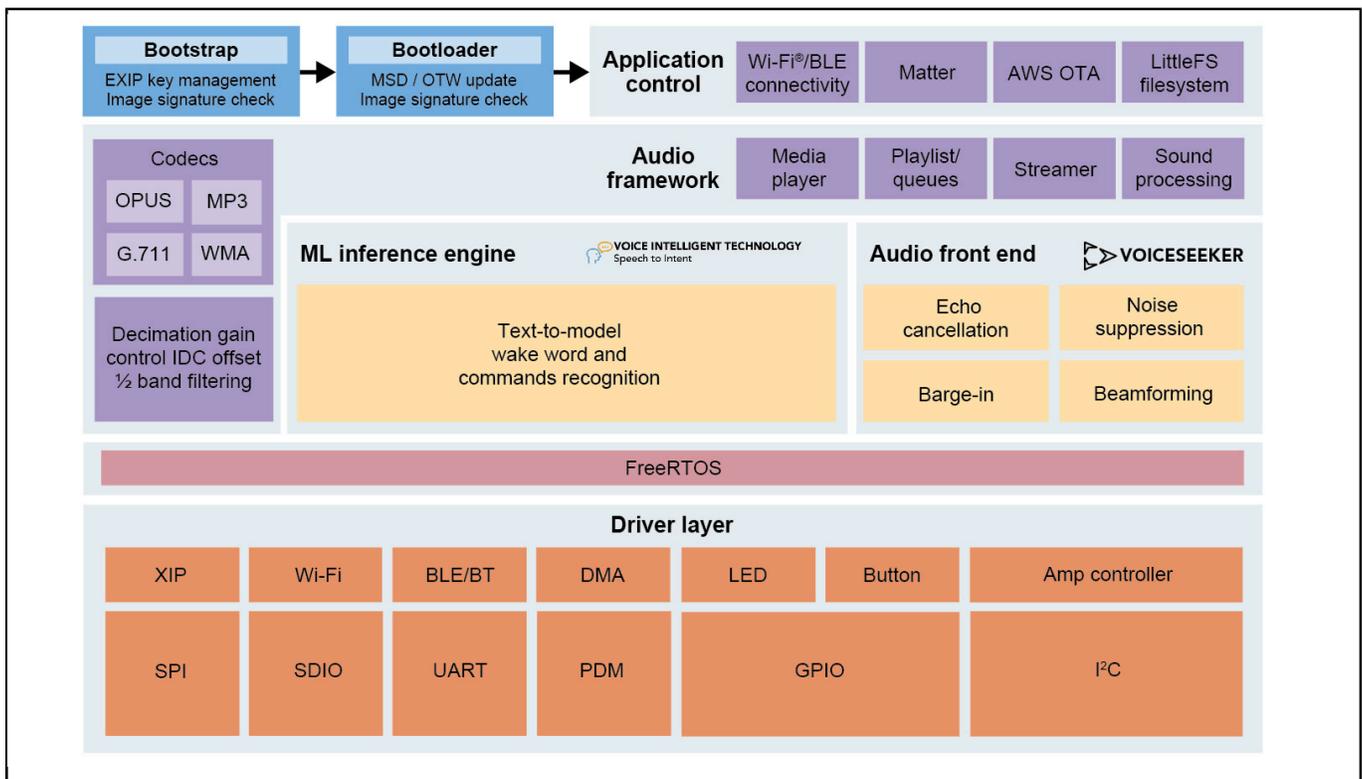
This EdgeReady solution for local, online and/or Matter connected device voice control leverages the i.MX RT106V crossover MCU with integrated [voice intelligent technology \(VIT\)](#) and [Speech to Intent \(S2I\)](#) offering a voice user interface for touchless applications. This ultra-small form-factor and production ready hardware design comes with fully integrated software running on FreeRTOS for a quick out-of-the-box evaluation. This turnkey solution minimizes time to market, risk and development effort enabling OEMs to easily add voice to their smart home and smart appliance products. This NXP EdgeReady solution is part of the EdgeVerse™ [edge computing](#) platform.

i.MX RT106V enables voice control over network of multiple matter connected nodes.

SVUI Hardware Block Diagram



SVUI Software Block Diagram



View additional information for [EdgeReady i.MX RT106V-Based Smart Voice User Interface Solution](#).

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. © 2025 NXP B.V.