



Ara-1 USB Module for AI-Integrated Cameras and Embedded Systems

ARA-1-USB-MODULE

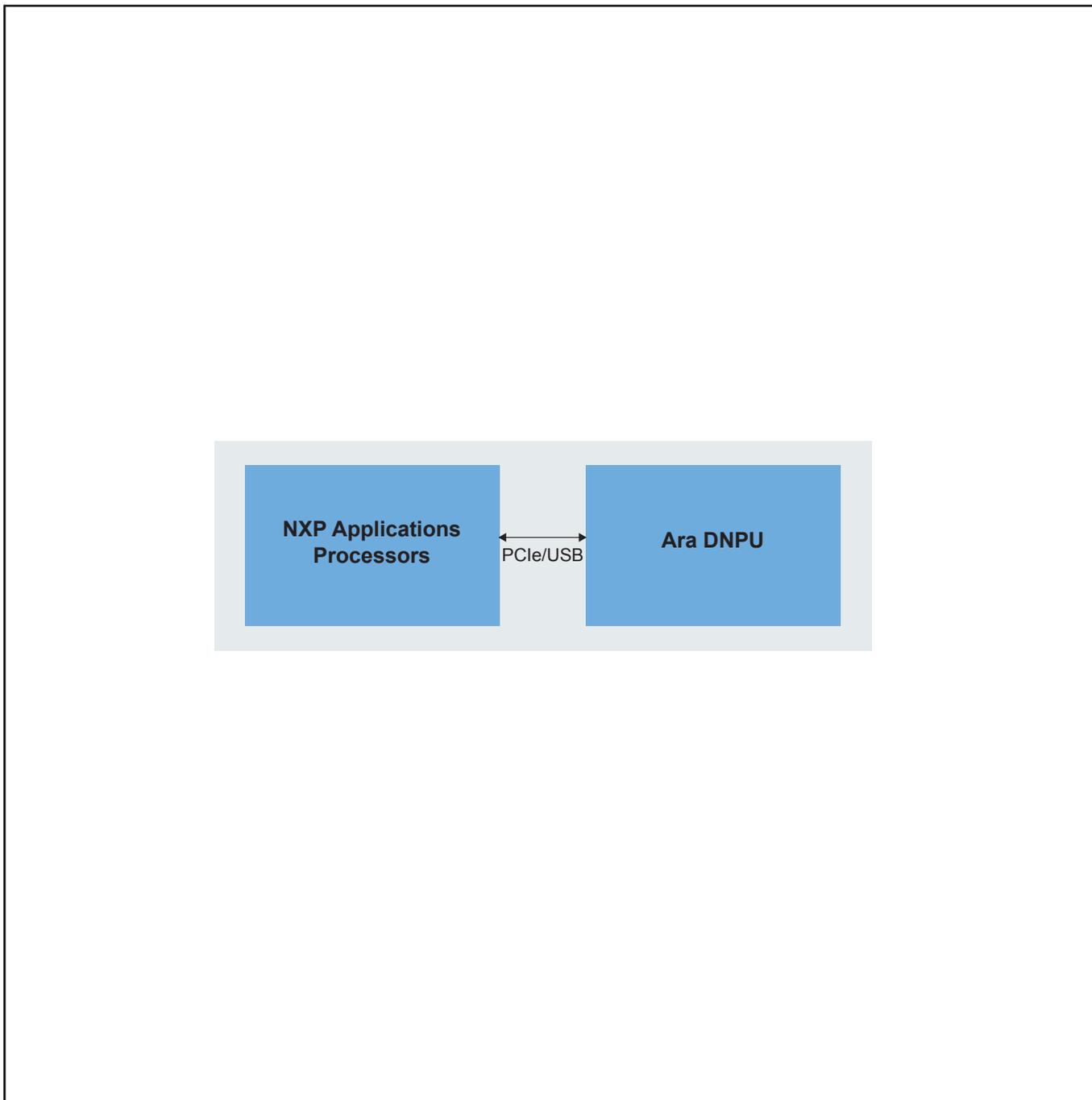
Not Recommended for New Designs

This page contains information on a product not recommended for new designs. Specifications and information herein are subject to change without notice. For additional information, please contact [NXP support](#) or your NXP sales representative.

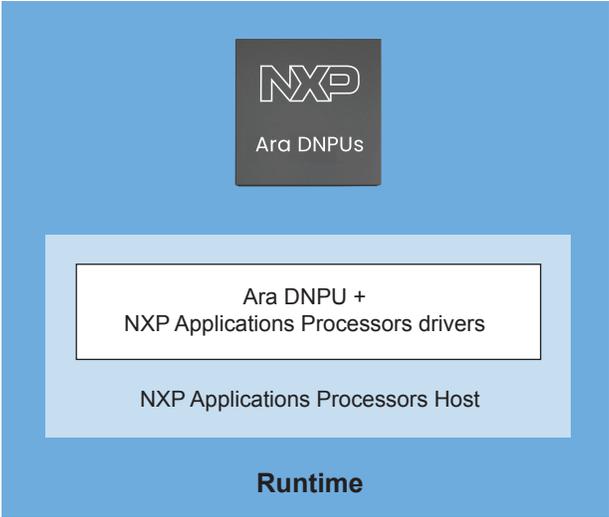
Last Updated: Dec 29, 2025

The Ara-1 USB module is a compact, plug-and-play AI accelerator featuring the [Ara-1 discrete neural processing unit \(DNPU\)](#) for edge-AI applications. It supports multiple AI frameworks, including TensorFlow, PyTorch and ONNX. The Ara-1 USB module is capable of running models with low-latency. The module offers seamless integration with Linux-based host systems, enabling rapid deployment of AI solutions.

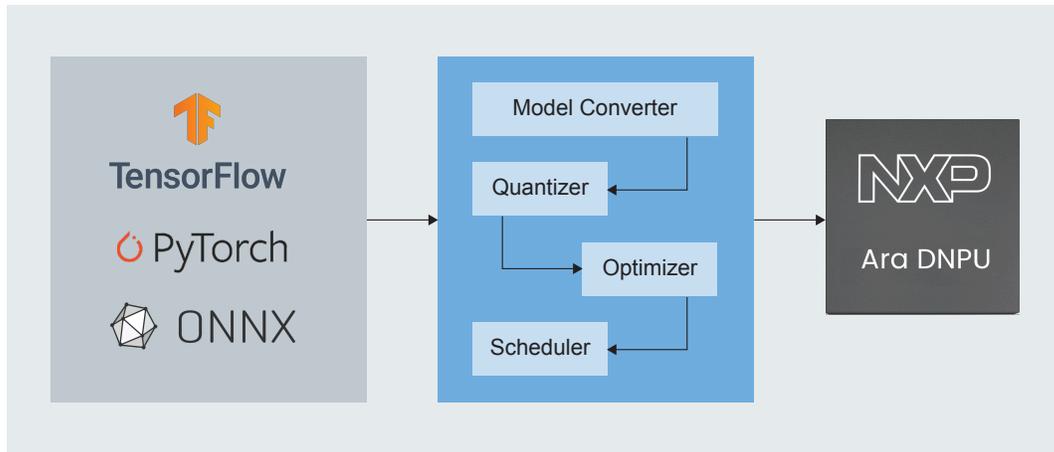
NXP Applications Processor and Ara DNPV Connection Block Diagram



Integration of Ara DNPV and Applications Processors Host with Drivers Block Diagram



Machine learning deployment flow Block Diagram



View additional information for [Ara-1 USB Module for AI-Integrated Cameras and Embedded Systems](#).

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.