



面向**AI**集成摄像头与嵌入式系统的**Ara-1 USB**模块

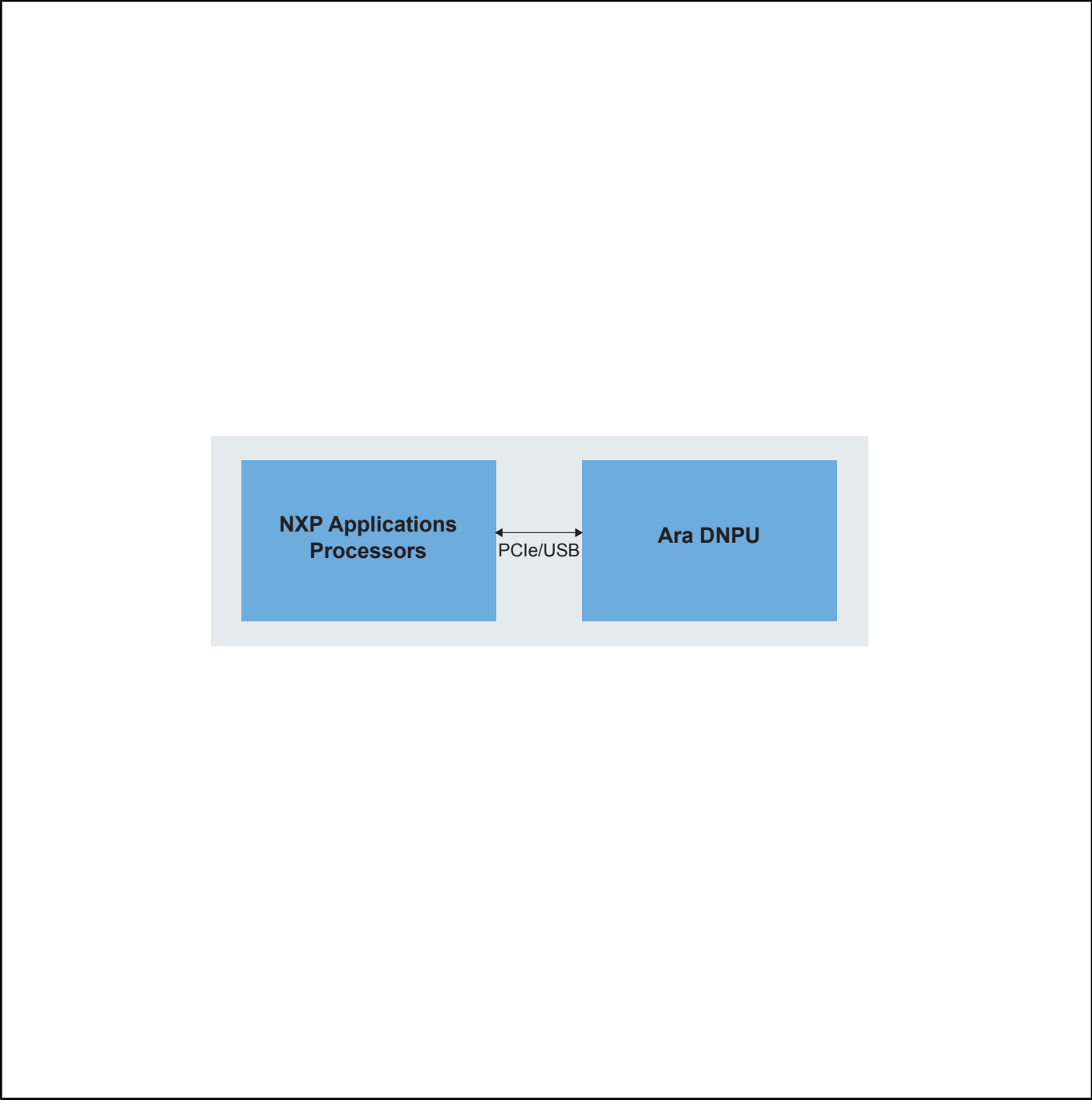
ARA-1-USB-MODULE

Not Recommended for New Designs

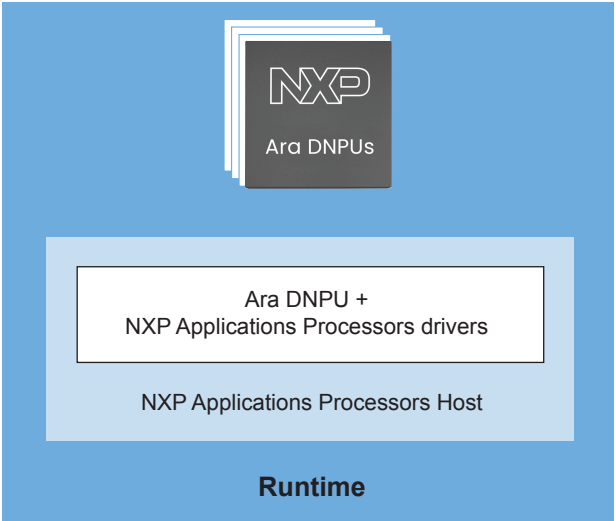
Last Updated: Nov 3, 2025

Ara-1 USB模块是一款紧凑型即插即用**AI**加速器，集成了专为边缘**AI**应用设计的**Ara-1**独立神经处理单元(DNPU)。它支持多种**AI**框架，包括TensorFlow、PyTorch和ONNX。**Ara-1 USB**模块能够以低延迟运行模型。该模块可与基于Linux的主机系统无缝集成，从而实现**AI**解决方案的快速部署。

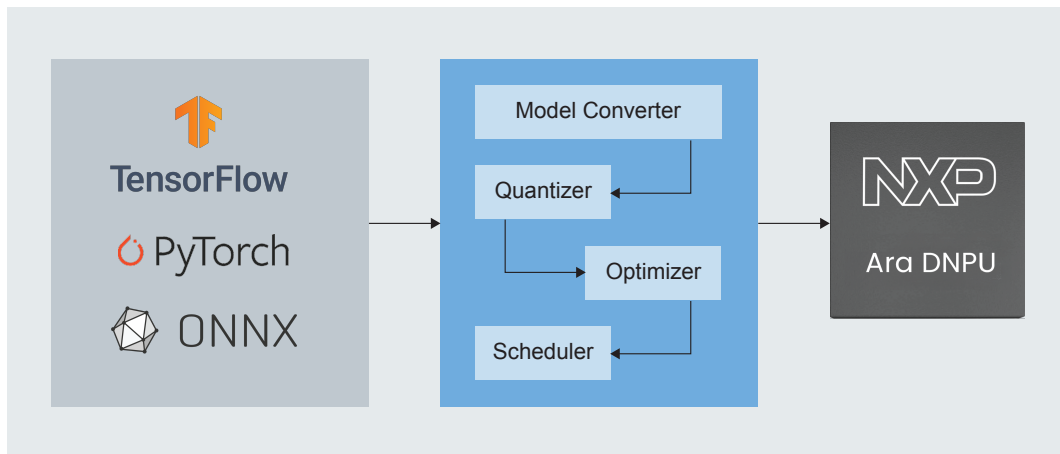
恩智浦应用处理器和Ara DNP连接 Block Diagram



Ara DNP与应用处理器主机及驱动程序的集成 Block Diagram



机器学习部署流程 **Block Diagram**



View additional information for [面向AI集成摄像头与嵌入式系统的Ara-1 USB模块](#).

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.