



面向**AI**摄像头与嵌入式系统的**Ara-1 M.2 (M-Key)**模块

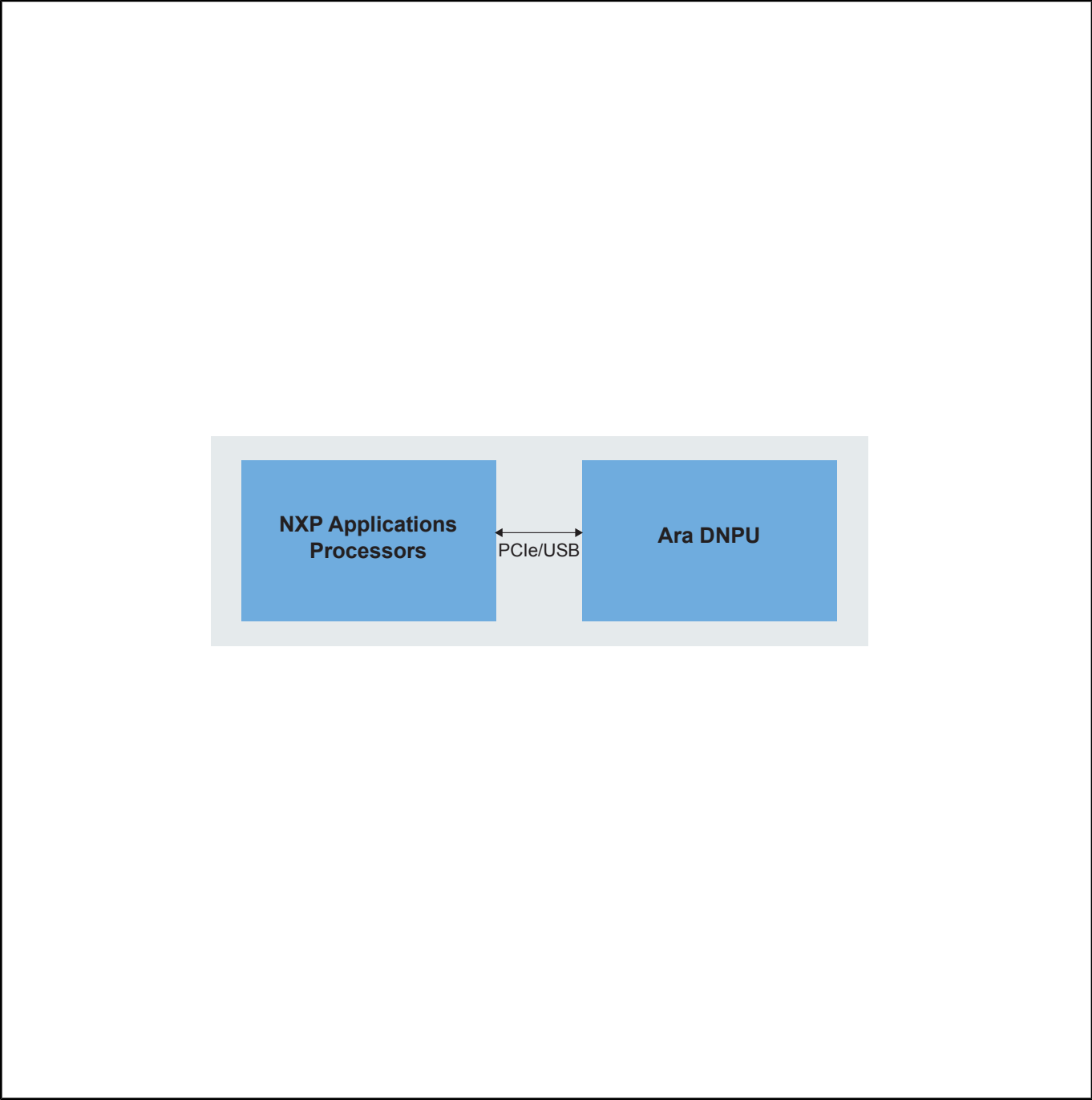
ARA-1-M2-MODULE

Not Recommended for New Designs

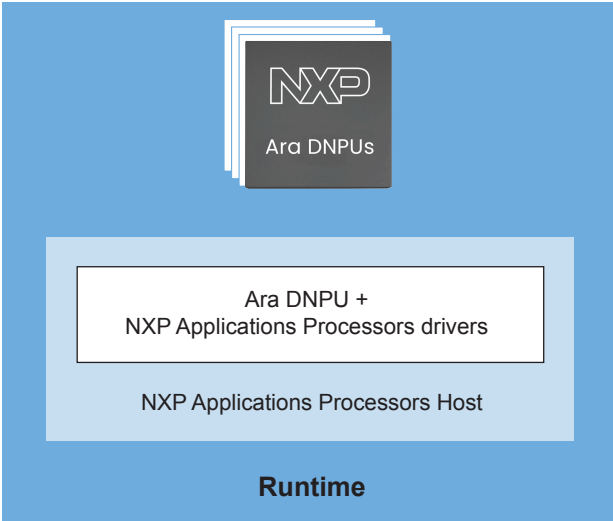
Last Updated: Nov 3, 2025

Ara-1 M.2模块是一款专为边缘计算设计的紧凑型**AI**加速器，提供低功耗、高处理速度的实时**AI**推理能力。它集成了Ara-1独立神经处理单元和1GB LPDDR4存储器，支持TensorFlow、PyTorch和ONNX等**AI**框架。该模块支持设备端**AI**运算，无需云端连接，从而确保了低延迟并增强了隐私保护。

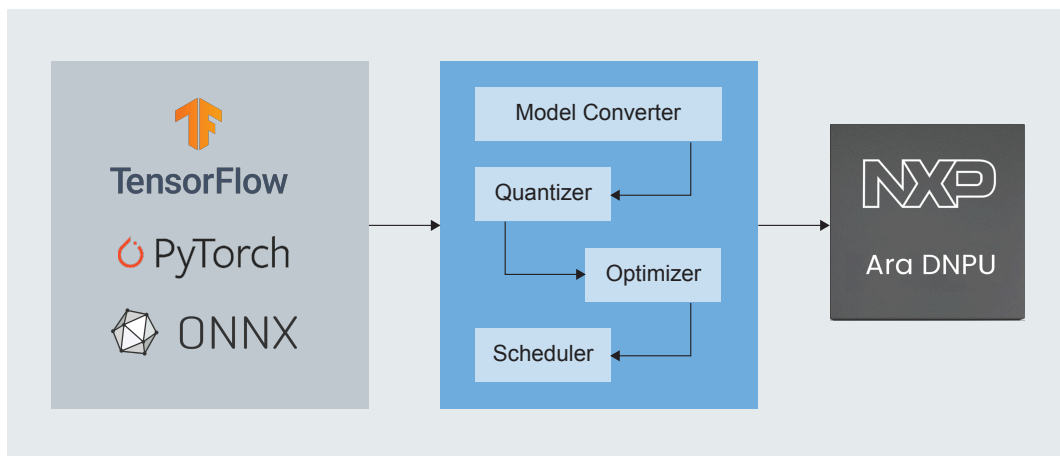
恩智浦应用处理器和Ara DNP连接 Block Diagram



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摄像头与嵌入式系统的Ara-1 M.2 \(M-Key\)模块](#).

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