



Ara-1: 用于优化边缘**AI**的独立**NPU**

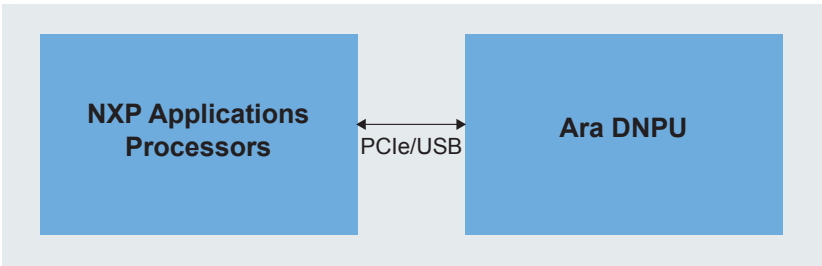
ARA-1-DNPU

Not Recommended for New Designs

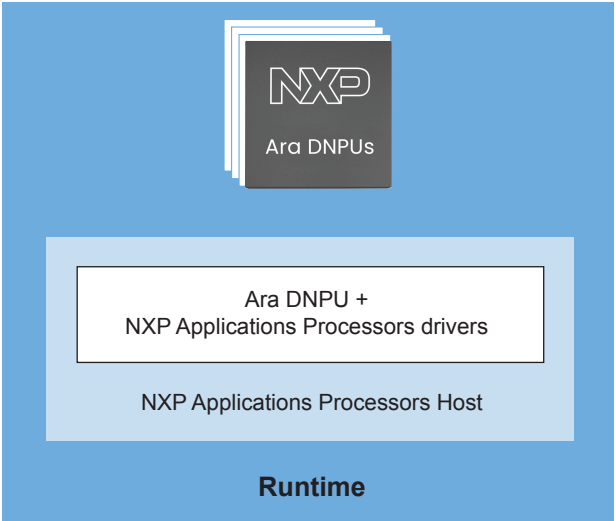
Last Updated: Nov 3, 2025

基于高效数据流架构打造的**Ara-1**独立神经处理单元(DNPU)，可提供实时**AI**计算与决策所需的卓越性能和响应速度。**Ara-1**支持应用运行多个**AI**模型，并实现零延迟的上下文切换。它还为需要低延迟且灵活适配新模型算子的**AI**集成摄像头与嵌入式系统赋能。

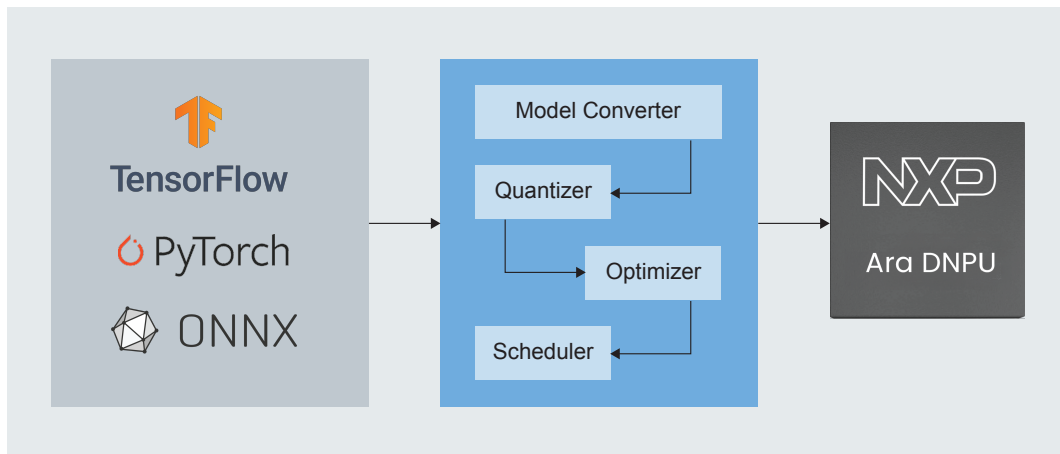
恩智浦应用处理器和Ara DNP连接 Block Diagram



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 [Ara-1: 用于优化边缘AI的独立NPU](#).

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