



Ara-2 USB模块：面向生成式AI工作负载的eTOPS

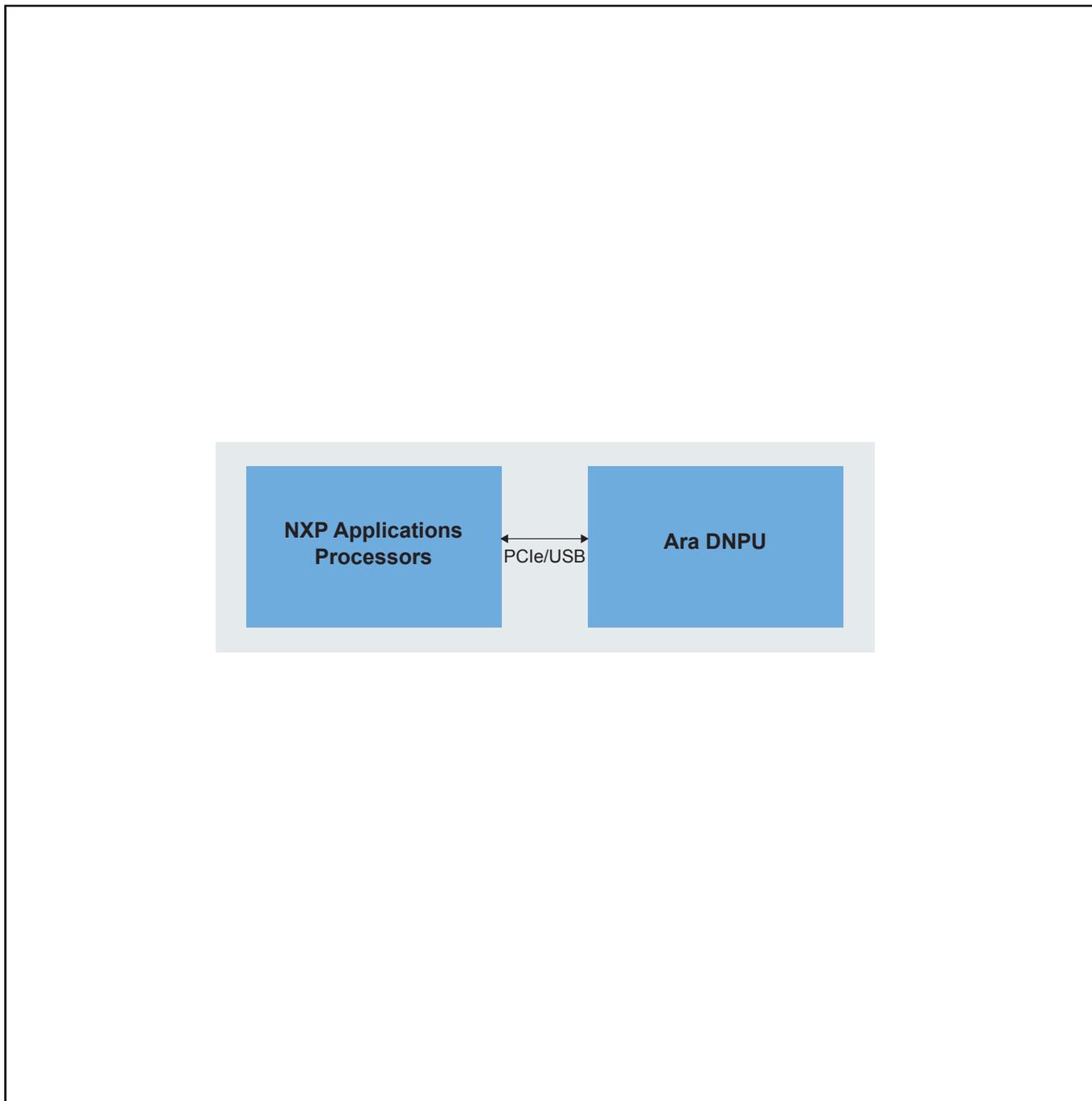
ARA-2-USB-MODULE

Preproduction

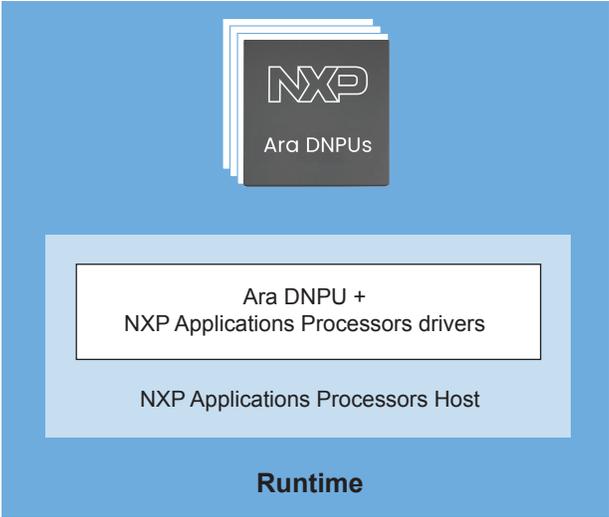
Last Updated: Nov 3, 2025

Ara-2 USB模块提供40等效TOPS (eTOPS)，适用于高性能、高能效的AI推理。它支持实时AI工作负载，包括生成式AI、大语言模型(LLM)和视觉语言模型(VLM)，使计算和嵌入式系统能够同时运行多个模型而不会降低性能。该模块能够处理视觉和文本内容，为边缘AI部署提高生产效率和能力。

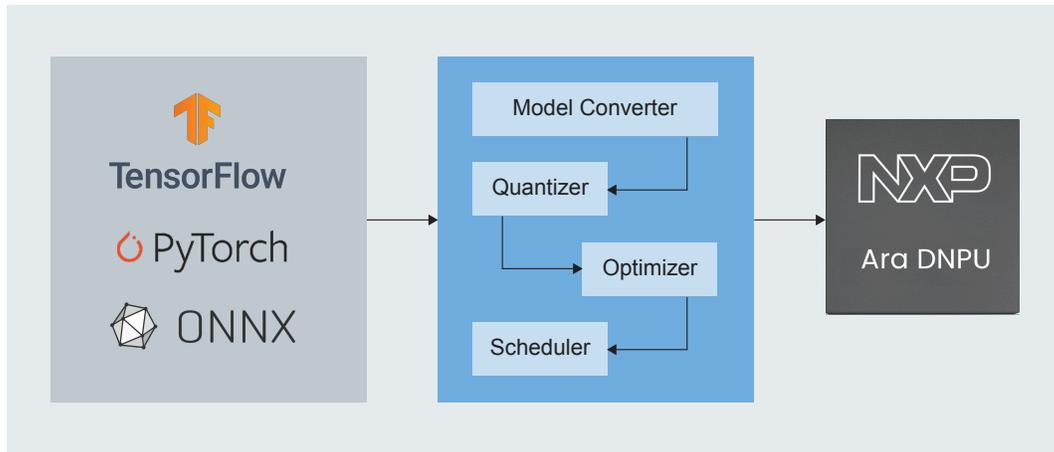
恩智浦应用处理器和Ara DNP连接 Block Diagram



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-2 USB模块：面向生成式AI工作负载的eTOPS](#).

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.