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

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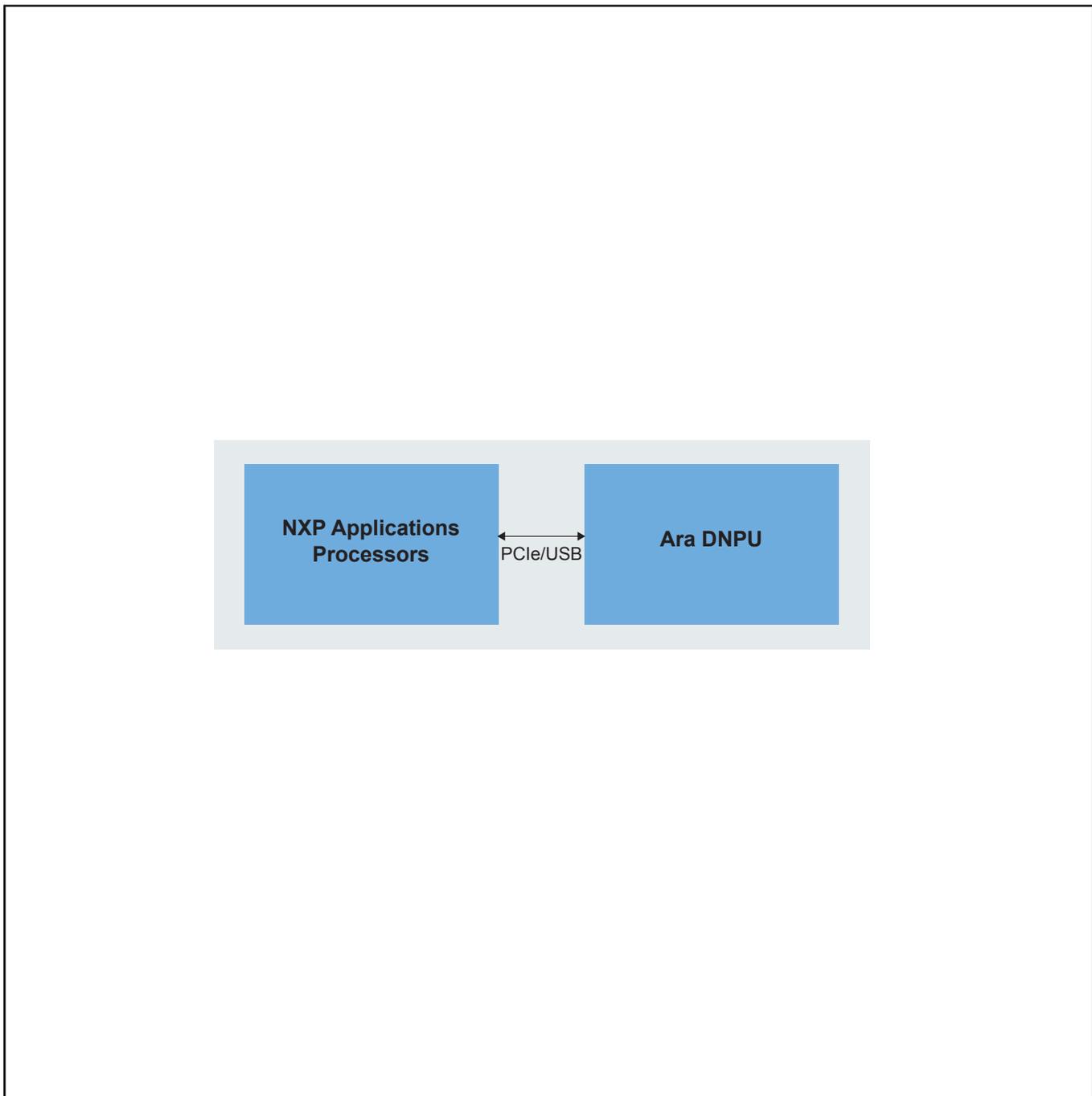
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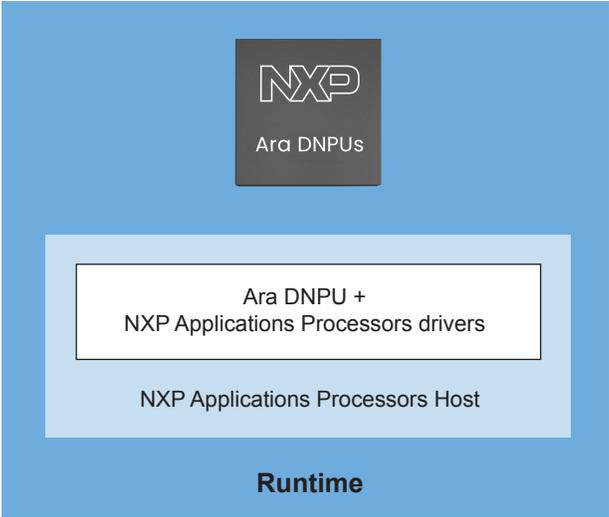
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The Ara-1 USB module is a compact, plug-and-play AI accelerator featuring the Ara-1 discrete neural processing unit (DNPU) for edge-AI applications. It supports multiple AI frameworks, including TensorFlow, PyTorch and ONNX. The Ara-1 USB module is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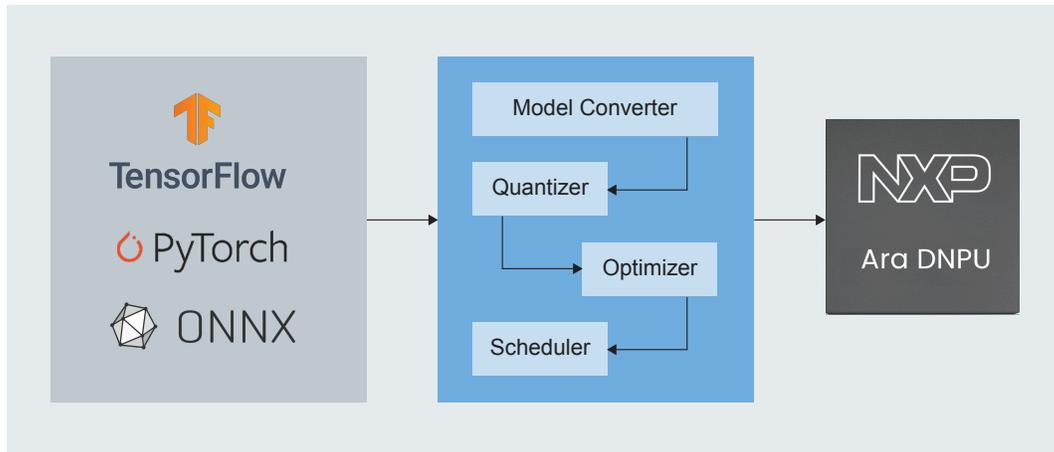
NXP Applications Processor and Ara DNPU Connection Block Diagram

Integration of Ara DNPU 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.

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