



Ara-1 M.2 (M-Key) Module for AI-Integrated Cameras and Embedded Systems

ARA-1-M2-MODULE

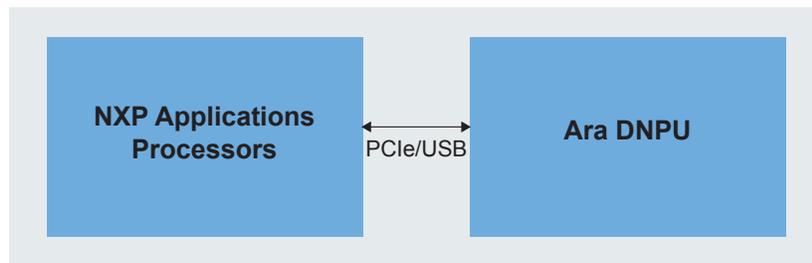
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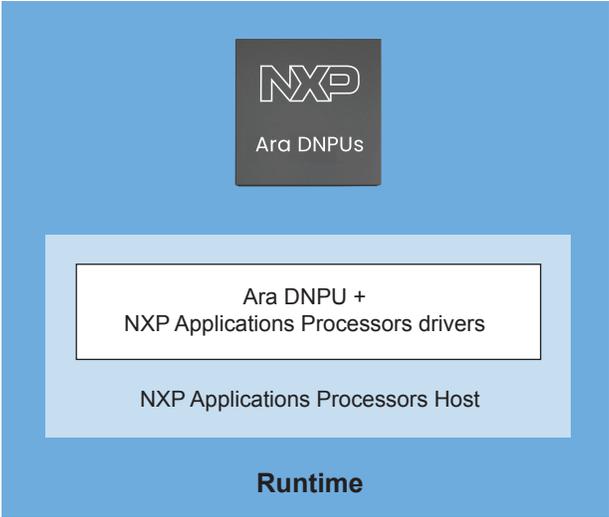
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The Ara-1 M.2 module is a compact AI accelerator designed for edge computing, offering real-time AI inferencing with low power consumption and fast processing speeds. It integrates the [Ara-1 Discrete Neural Processing Unit](#), 1 GB LPDDR4 memory, and supports AI frameworks like TensorFlow, PyTorch and ONNX. It enables on-device AI without cloud connectivity, ensuring low latency and enhanced privacy.

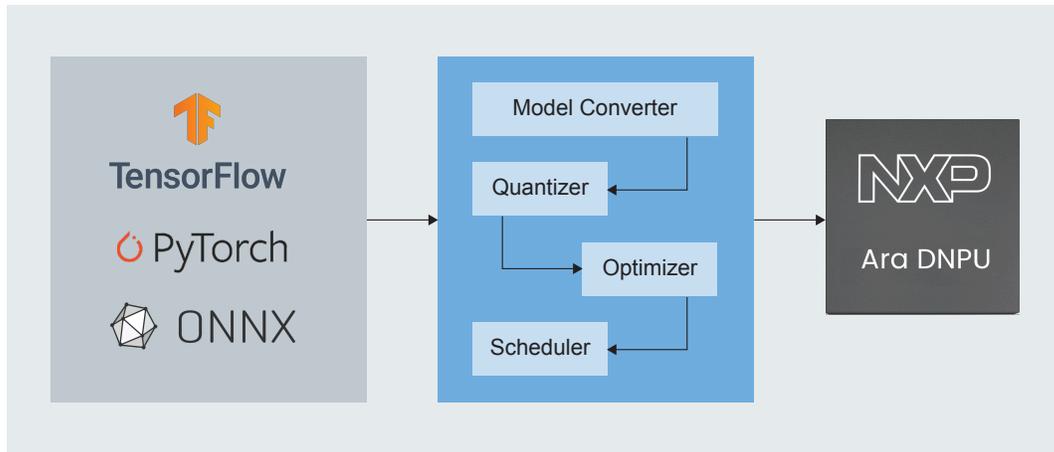
NXP Applications Processor and Ara DNPV Connection Block Diagram



Integration of Ara DNPV and Applications Processors Host with Drivers Block Diagram



Machine learning deployment flow Block Diagram



View additional information for [Ara-1 M.2 \(M-Key\) Module for AI-Integrated Cameras and Embedded Systems](#).

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