



# Ara-2 M.2 (M-Key) Module: 40 eTOPS for Gen AI Workloads

## ARA-2-2M-MODULE

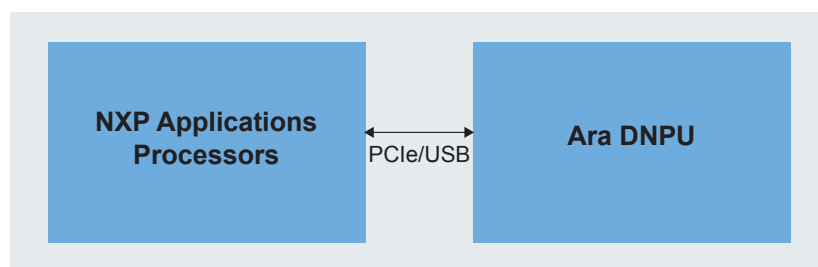
### Preproduction

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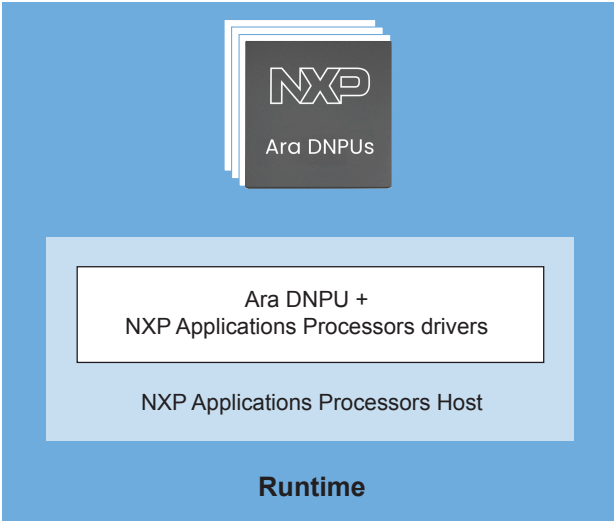
Last Updated: Dec 22, 2025

The [Ara-2](#) M.2 (M-Key) Module offers up to 40 equivalent TOPS (eTOPS) for high-performance, power-efficient AI inference. Designed to handle the compute demands of large language models (LLMs), Vision Language Models (VLMs) and transformer-based models, this compact module is ideal for enabling or upgrading edge AI applications. It runs multiple AI models simultaneously without performance penalties.

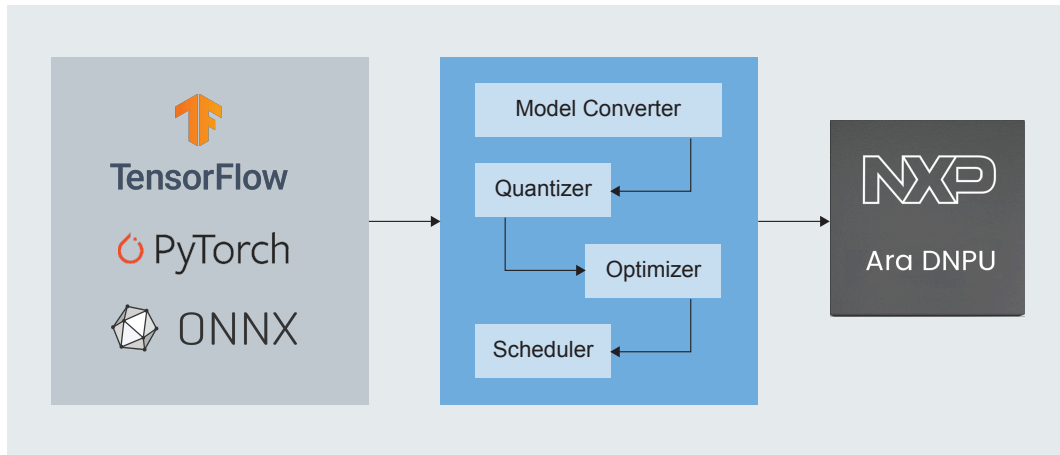
## NXP Applications Processor and Ara DNPV Connection Block Diagram



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



**Machine Learning Deployment Flow Block Diagram**



View additional information for [Ara-2 M.2 \(M-Key\) Module: 40 eTOPS for Gen AI Workloads](#).

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