



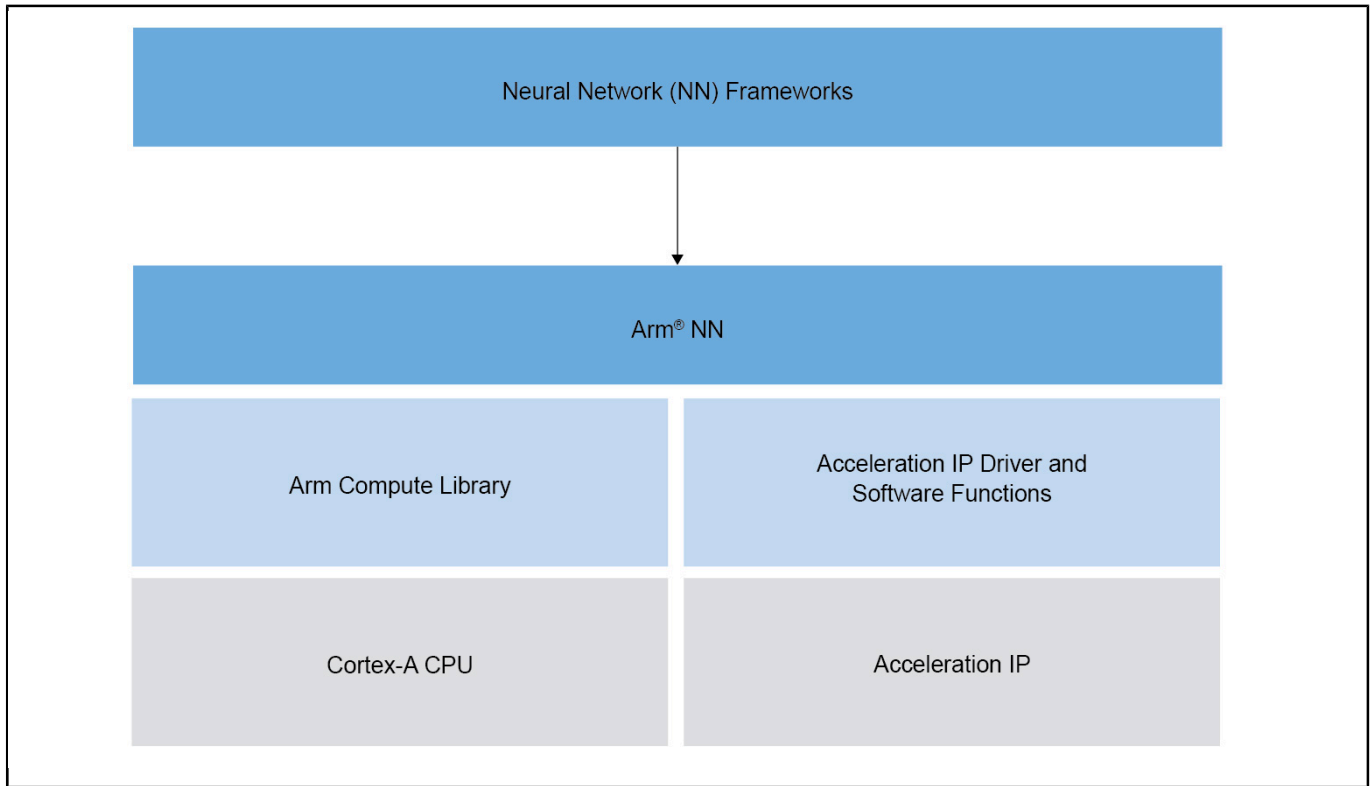
# eIQ<sup>®</sup> Inference with Arm<sup>®</sup> NN

## eIQArmNN

Last Updated: Dec 15, 2022

eIQ software supports the [Arm NN SDK](#) – an inference engine framework that provides a bridge between neural network (NN) frameworks and Arm machine learning processors, including NXP's i.MX and Layerscape<sup>®</sup> processors. For Arm<sup>®</sup> Cortex<sup>®</sup>-A based processors, Arm NN converts models trained with existing neural network frameworks into inference engines that leverage Arm Neon<sup>™</sup> instructions via the Arm Compute Library. NXP provides back-end support for Arm NN to allow inferencing to be run on the i.MX 8 GPUs and the i.MX 8M Plus NPU. Arm NN works with Caffe, TensorFlow, TensorFlow Lite, and ONNX models.

## eIQ Software for Arm NN SDK Block Diagram



View additional information for [eIQ® Inference with Arm® NN](#).

**Note:** The information on this document is subject to change without notice.

---

**[www.nxp.com](http://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. © 2024 NXP B.V.