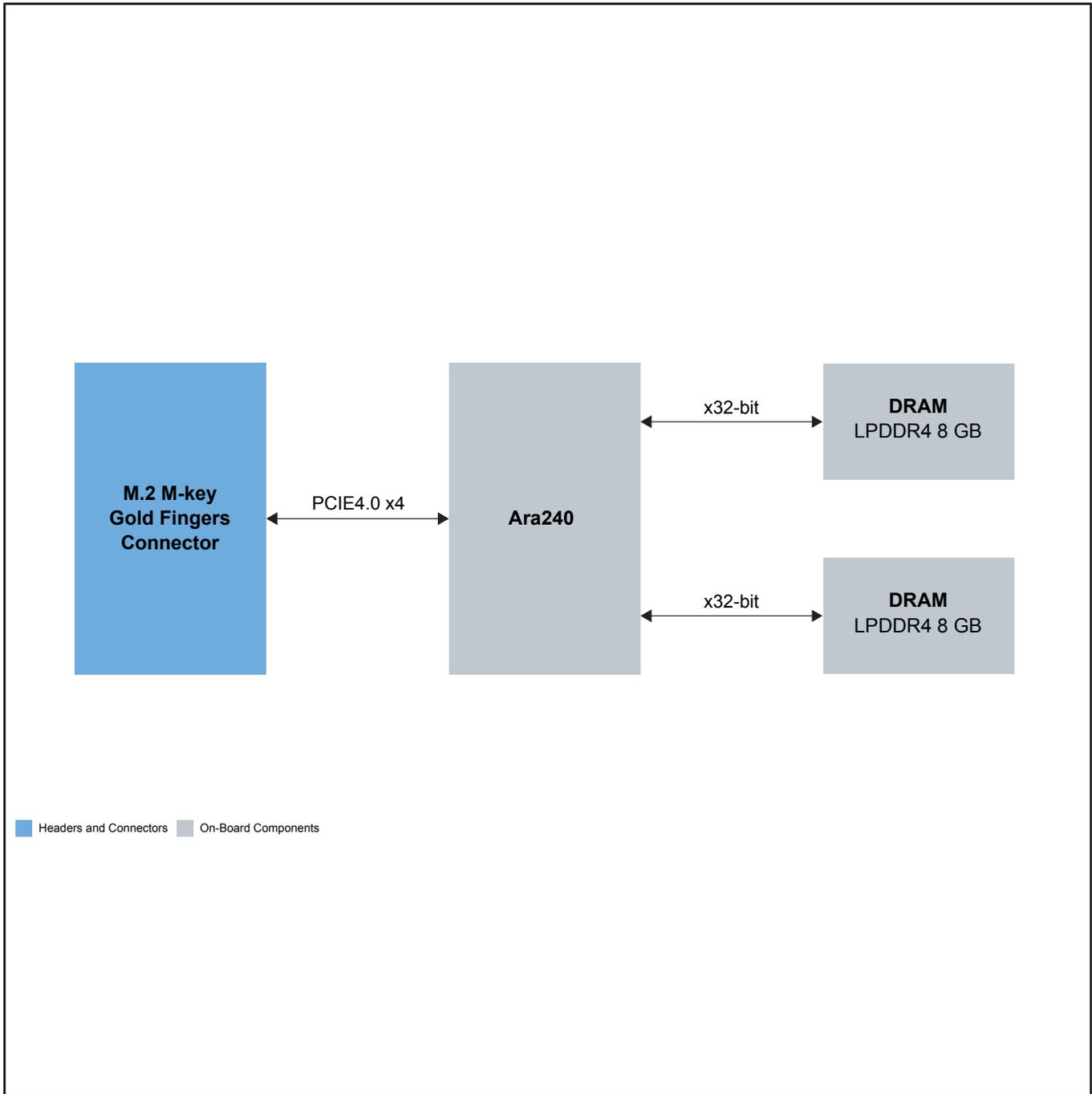# Ara240 16GB M.2 Module

ARA2-M2-16G-GT

Active

Last Updated: Mar 23, 2026

The Ara240 16GB M.2 Module is an AI accelerator module based on the Ara240 discrete NPU. It can provide up to 40 eTOPs with flexible precision. It uses the M.2 M-Key and supports a maximum 4 lanes PCI Express 4.0 in x4 configuration. Designed with the commonly used NGFF 2280 form factor, it can be easily used as a companion processing unit on any NXP i.MX or S32 platform with M.2 M-Key PCI Express capability.

NXP Applications Processor and Ara DNPU Connection Block Diagram

M.2 M-key Gold Fingers Connector	PCIE4.0 x4 ⟷	Ara240	x32-bit ⟷	DRAM LPDDR4 8 GB
			x32-bit ⟷	DRAM LPDDR4 8 GB

■ Headers and Connectors   ■ On-Board Components

View additional information for Ara240 16GB M.2 Module.

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

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