



Overview

The QorlQ® LX2160A reference design board provides a comprehensive platform that enables design and evaluation of the LX2160A processor. It comes preloaded with a board support package (BSP) based on a standard Linux le

- Enables network intelligence with the next generation Datapath (DPPA2) which provides differentiated offload and a rich set of IO, including 10GE, 25GE, 40GE, and PCIe Gen4
- Delivers unprecedented efficiency and new virtualized networks
- Supports designs in 5G packet processing, network function virtualization, storage controller, white box switching, network interface cards, and mobile edge computing
- Supports all three LX2 family members (16-core LX2160A; 12-core LX2120A; and 8-core LX2080A)



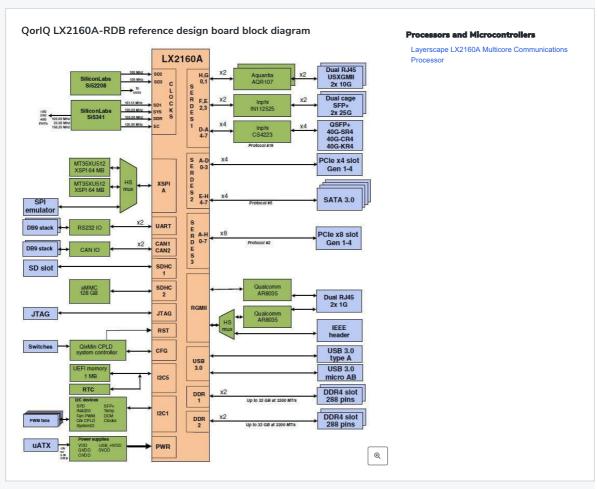
QorlQ[®] LX2160ARDB Reference Design Board (RDB) Overview





QorlQ LX2160A Reference Design Board Overview

Specifications



Technical and Functional Specifications

Processor	LX2160A, 16x Arm® Cortex®-A72 CPU, up to 2.2GHz
Memory	Two DDR4 UDIMM to 3200MT/s
	32GB total capacity (16GB per UDIMM)
	Flash: 128MB NOR, 128GB eMMC
Ethernet	One 40G Ethernet QSFP+
	Two 25G Ethernet SFP+
	Two RJ45 10G Ethernet
	Two RJ45 1G Ethernet
Other IO	One PCle Gen4 x8 slot
	One PCIe Gen4 x4 slot
	Four SATA3.0 connectors
om.	- CID COB3.0 Type A connector

Downloaded from Arrow.com.

One USB3.0 micro-AB connector



Get Started

1. Review this Getting Started and Quick Reference Guide to get familiar with the hardware specifications

Getting Started and Quick Reference Guide

Get Started with the GS-LX2160A-RDB

⊕ HTML GS-LX2160A-RDB

QorlQ LX2160A Reference Design Board Getting Started Guide (REV 3)