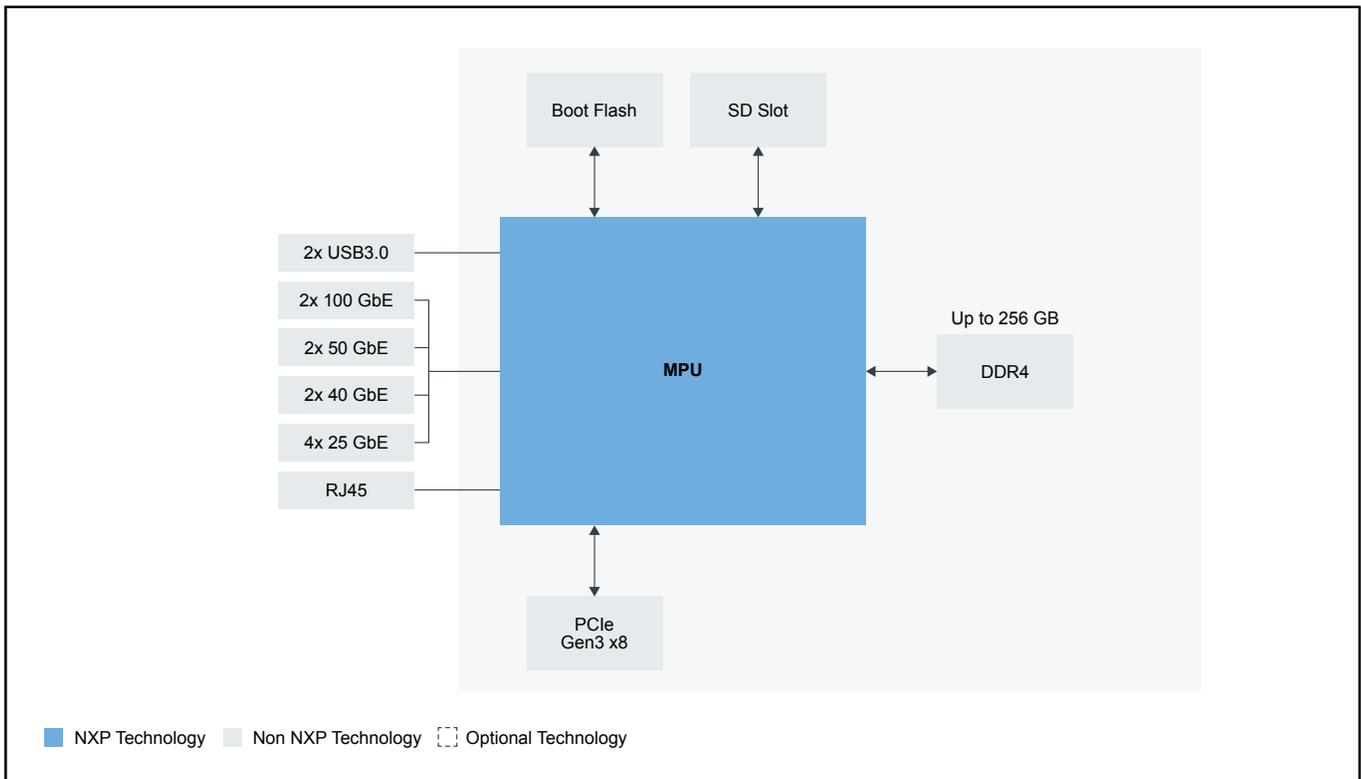# Network Security

Last Updated: Oct 13, 2021

Secure routers, unified-threat management (UTM) systems, firewalls, and intrusion protection/ detection systems help protect home, enterprise and service-provider networks. At the heart of these systems, which secure connections for a smarter world, are processors that help provide a protected platform and that integrate network security acceleration and high-speed Ethernet interfaces. NXP Layerscape processors are a scalable family with these key capabilities.
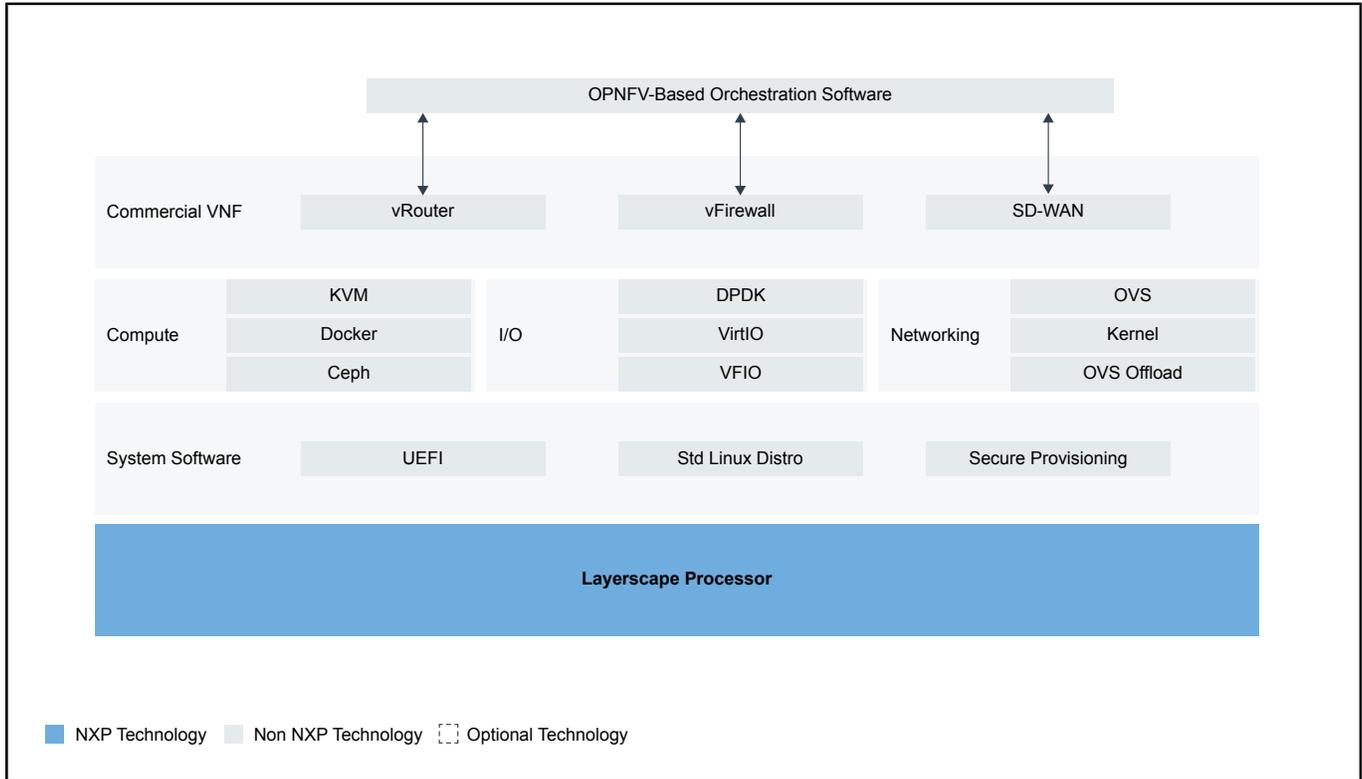
Smart Nic Block Diagram

Recommended Products for Smart Nic	
MPU	• Layerscape® LX2160A, LX2120A, LX2080A Processors

Software Block Diagram

	OPNFV-Based Orchestration Software		
Commercial VNF	vRouter	vFirewall	SD-WAN

Compute		I/O		Networking	
	KVM		DPDK		OVS
	Docker		VirtIO		Kernel
	Ceph		VFIO		OVS Offload

System Software	UEFI	Std Linux Distro	Secure Provisioning

Layerscape Processor

- ■ NXP Technology
- ▢ Non NXP Technology
- ⬚ Optional Technology

Recommended Products for Software

Layerscape Processor	• Layerscape Processors: Layerscape® Processors

View our complete solution for Network Security.

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