



# Layerscape® 1028A Applications Processor

## LS1028A

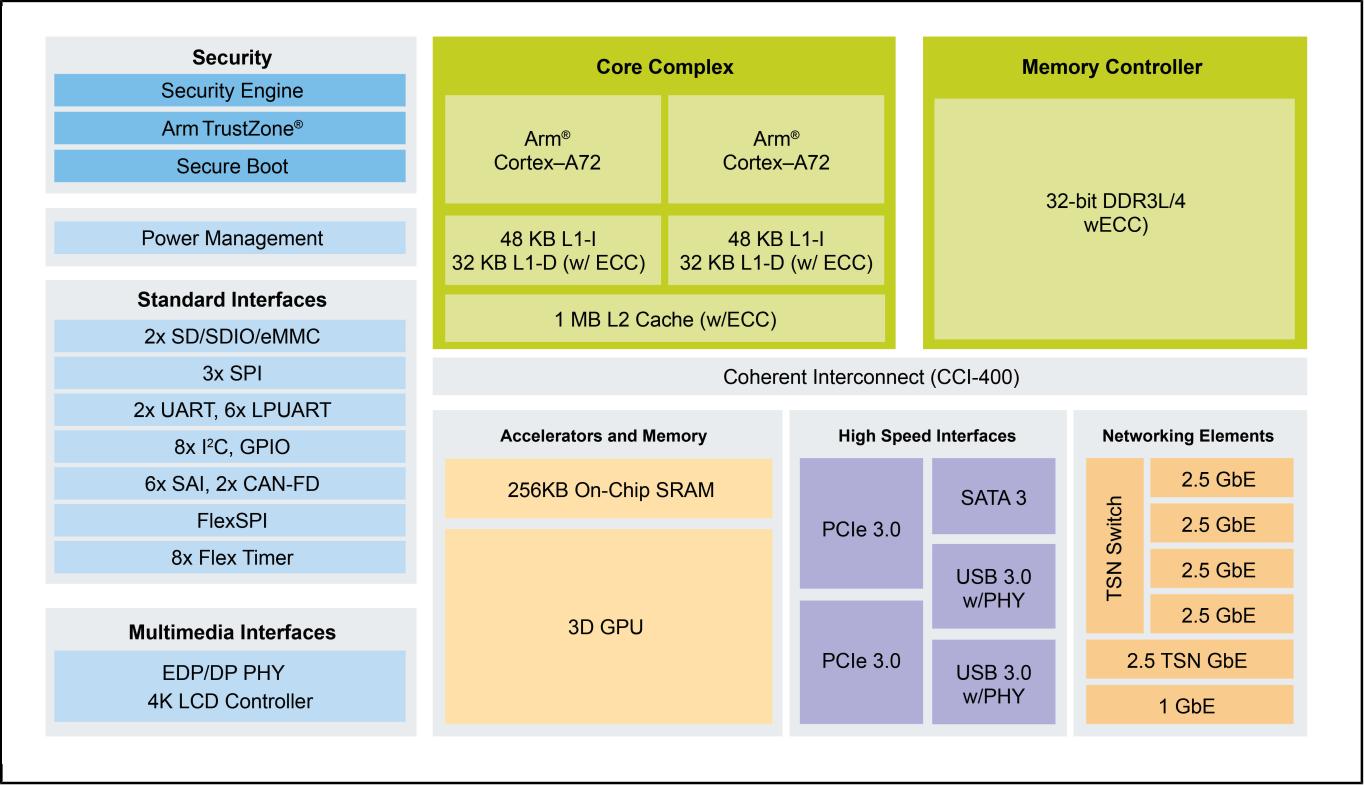
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The Layerscape LS1028A processors for industrial and automotive applications integrates the high-performance Arm® Cortex®-A72 processor, Ethernet switching with TSN, Ethernet controller and Trust Architecture with Security Engine to support converged IT and OT networks.

Two powerful 64-bit Arm A72 cores support real-time processing for industrial control and virtual machines for edge computing in the IoT. The integrated 3D GPU with support for 4K display and LCD controller enable Human-Machine Interface (HMI) systems with next-generation interfaces. Integrated Trust Architecture with cryptographic offload provides a trusted platform with encrypted communications for secure applications and services.

Layerscape processors are part of NXP's EdgeVerse™ [edge computing](#) platform.

# Layerscape LS1028A Block Diagram Block Diagram



View additional information for [Layerscape® 1028A Applications Processor](#).

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