



# MPC8640D Integrated Dual-Core Processor

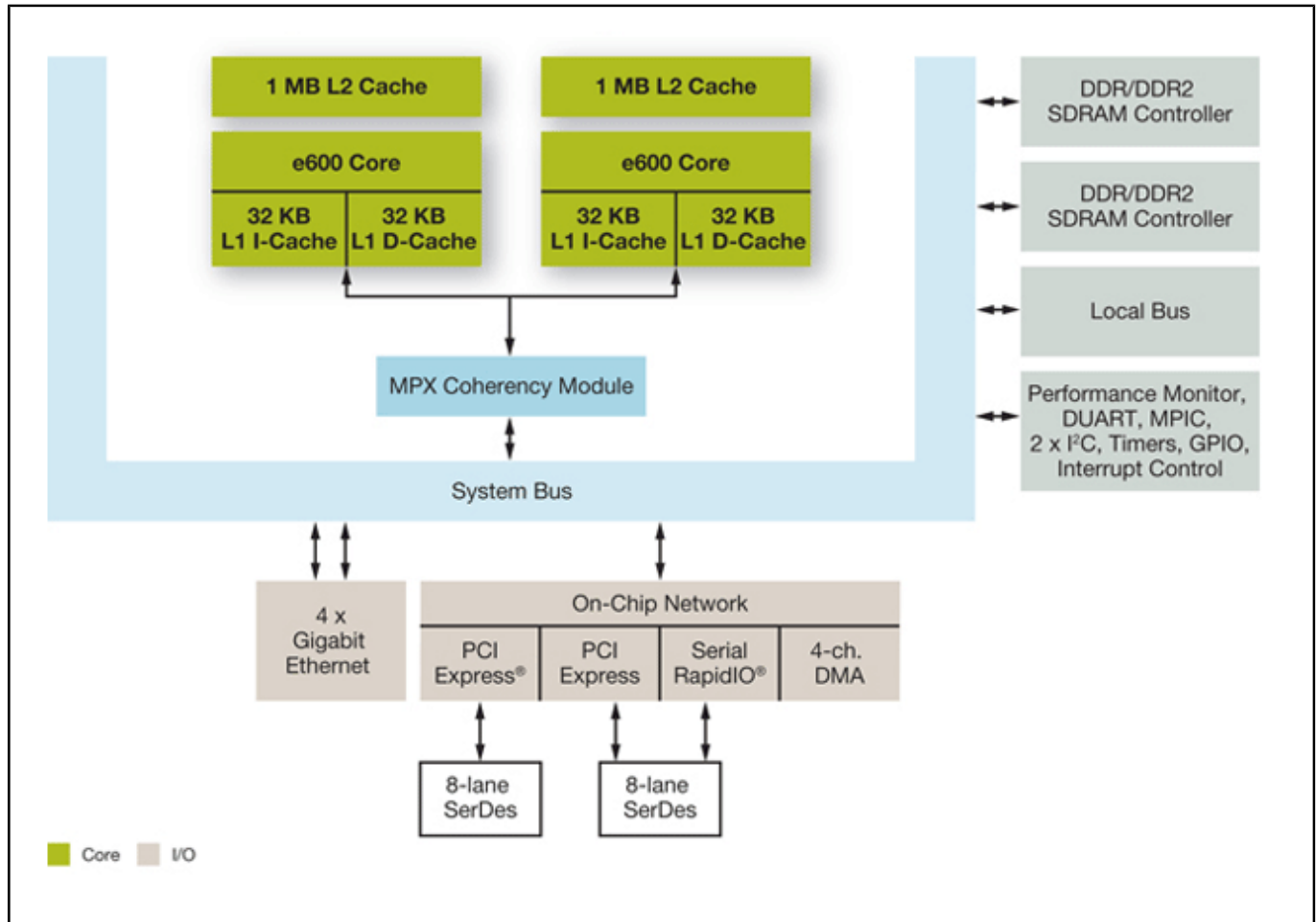
## MPC8640

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NXP's MPC8640D dual-core processor is engineered to deliver breakthrough performance, connectivity and integration for embedded networking, telecom, aerospace and defense, storage, industrial and pervasive computing applications.

The MPC8640D's strength is its integration of the high-performance e600 core built on Power Architecture® technology and combined with the PowerQUICC® system-on-chip (SoC) platform. With dual-core performance and integrated northbridge and southbridge functionality, this single chip replaces what could take up to four chips using other solutions. This translates into smaller boards or higher processing density. Additionally, all core-to-peripheral connections are internal in an integrated device, so the board designer is not exposed to the difficulties of laying out high-speed parallel buses.

# Freescale MPC8640 Host Processor Block Diagram Block Diagram



View additional information for [MPC8640D Integrated Dual-Core Processor](#).

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

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