



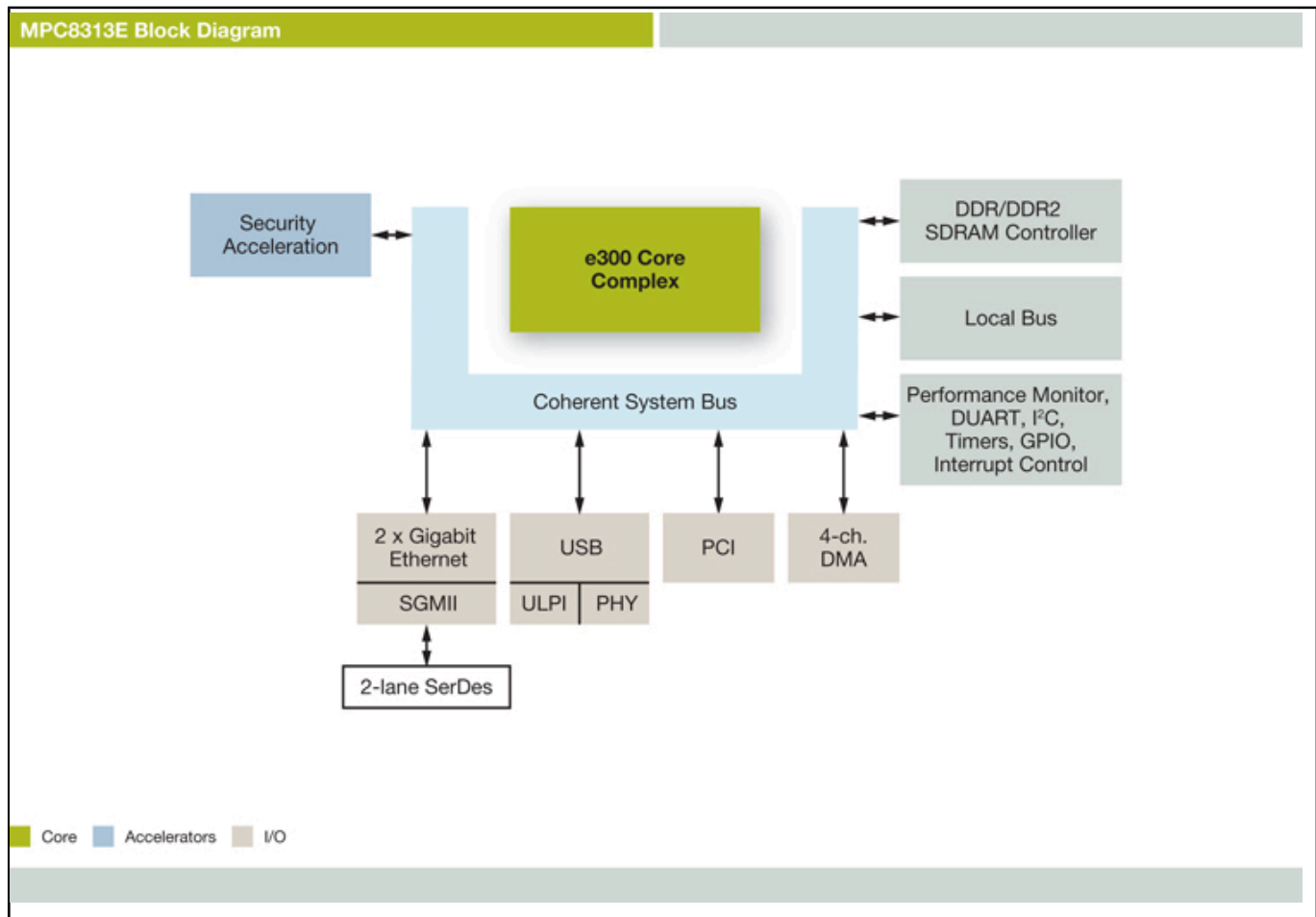
# Low-Power PowerQUICC® II Pro Processor with DDR2, PCI, 1 GB Ethernet, Security, USB

## MPC8313E

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Rapid growth of personal and premium content has created a need for deploying more interactive multimedia services inside the home. The MPC8313E processor family enables feature-rich applications that enhance the digital home experience. The cost-effective MPC8313E communications processor family meets the requirements of several small office/home office (SOHO), printing, IP services and industrial control applications. It provides more CPU performance, additional functionality and faster interfaces while addressing important time to market, price, power consumption and board real estate requirements. The introduction of Gigabit Ethernet (SGMII), high-speed USB 2.0 and low-power management makes it stand out in the marketplace. For extremely precise clock synchronization for applications such as time-sensitive telecommunications services, industrial network switches, powerline networks and test/measurement devices, the MPC8313E features integrated IEEE® 1588 time synchronization, the leading-edge standard.

# NXP PowerQUICC MPC8313E Communications Processor Block Diagram Block Diagram



View additional information for [Low-Power PowerQUICC® II Pro Processor with DDR2, PCI, 1 GB Ethernet, Security, USB](#).

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

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