



# PowerQUICC® II Pro Processor with DDR2, PCI, PCI Express, SATA, 1 GB Ethernet, USB, Security

## MPC8377E

### Not Recommended for New Designs

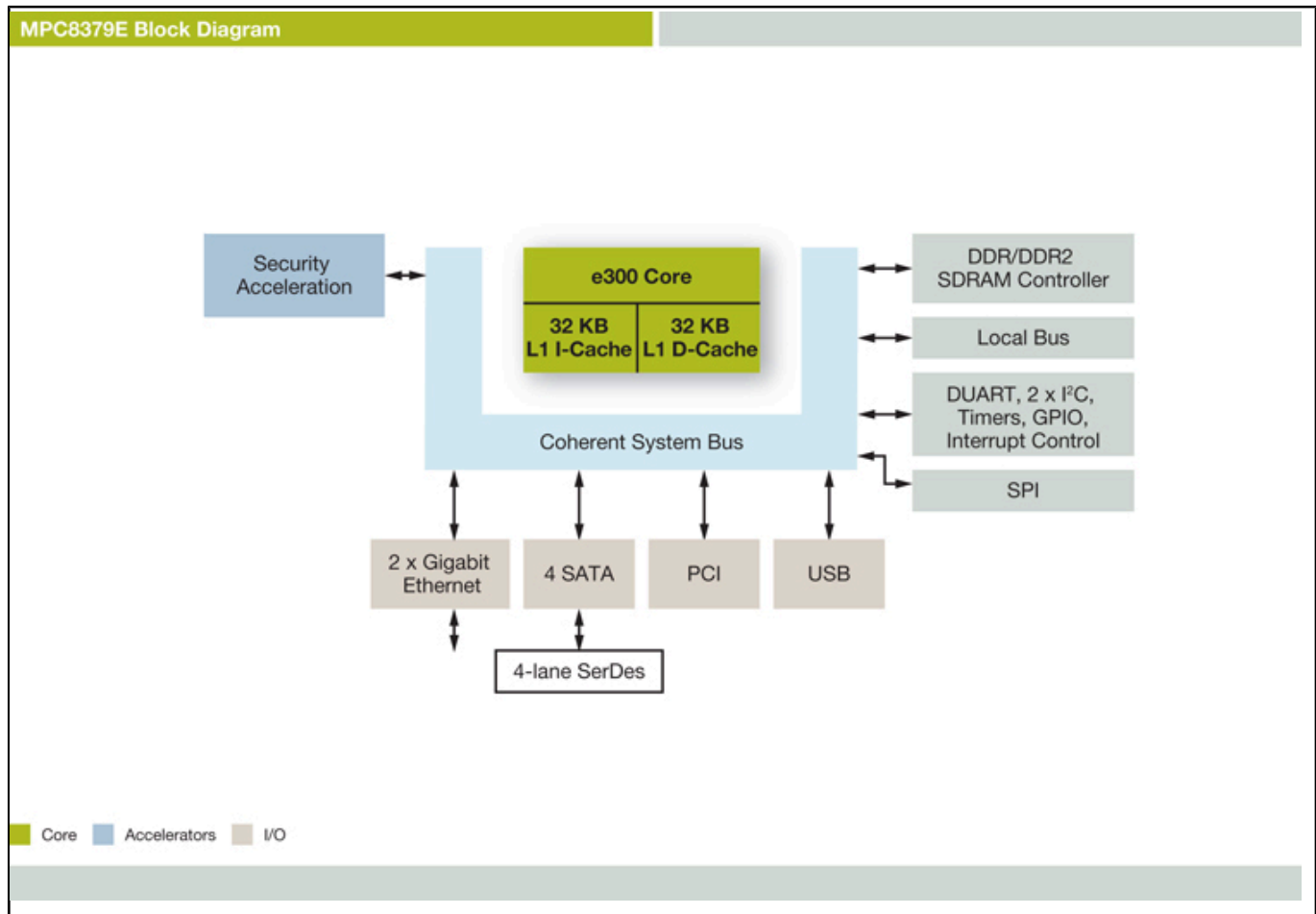
This page contains information on a product that is not recommended for new designs.

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MPC837X device is "Not recommended for new designs", please use the replacement families Power Architecture ([T1013](#)), Arm Architecture ([LS1012](#), [LS1023](#)).

Today's small-to-medium businesses and consumer applications are driving the need for highly integrated, cost-effective solutions that deliver high performance. The MPC8377E provides a high performance Power Architecture® e300 core up to 800MHz with 32K I/D L1 cache, integrated x2 serial ATA and x2 PCI Express® controllers that help to reduce overall BOM cost. The system-on-chip (SoC) also includes two Gigabit Ethernet (GbE) controllers for network connectivity and a security engine for encryption algorithm offload. The MPC8377E, based in 90 nm process technology, provides high integration that simplifies board design and provides a cost-effective solution for applications such as multifunctional printers or IP-PBX systems.

# Freescale PowerQUICC MPC837XE Communications Processor Block Diagram Block Diagram



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

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

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