



# Integrated Host Processor with DDR, PCI, RapidIO® and 1G Ethernet

## MPC8540

### **Not Recommended for New Designs**

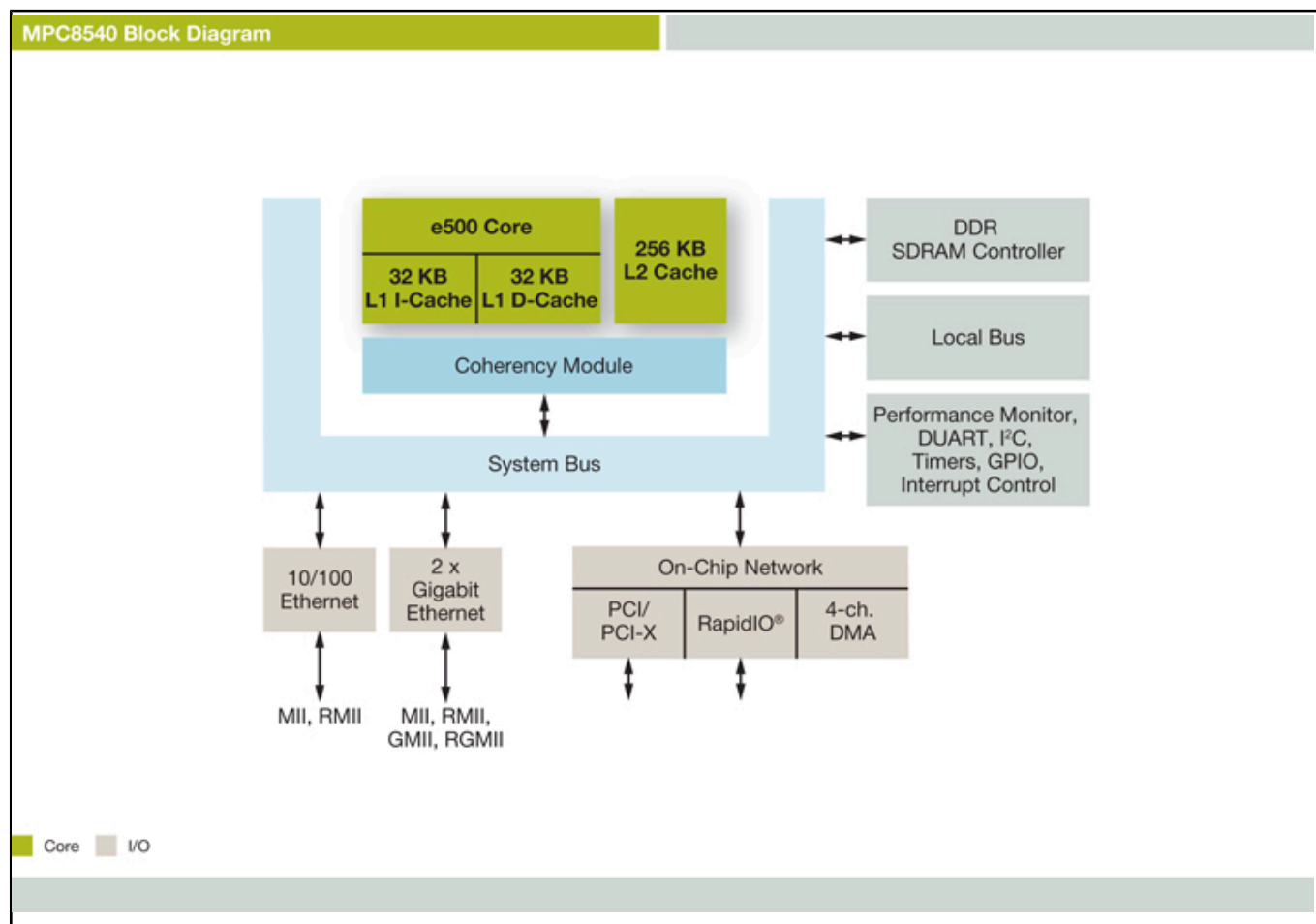
This page contains information on a product that is not recommended for new designs.

Last Updated: Apr 9, 2022

Addressing the needs for higher compute density and lower system cost, Our MPC8540 integrated host processor is designed to provide the highest level of performance and integration available today. The MPC8540 is Our first device utilizing the e500 core, is the industry's first RapidIO®-enabled processor, and provides dual gigabit ethernet controllers. Balancing processor performance with I/O system throughput, the MPC8540 is a powerful control element for network routers and switches, storage subsystems, network appliances, and print and imaging devices.

Contact your local [NXP Sales Office](#) or [NXP Authorized Distributor](#).

## Freescale PowerQUICC MPC8540 Communications Processor Block Diagram Block Diagram



View additional information for [Integrated Host Processor with DDR, PCI, RapidIO<sup>®</sup> and 1G Ethernet](#).

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

**www.nxp.com**

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.