



32-bit MCU for Body Electronics Applications

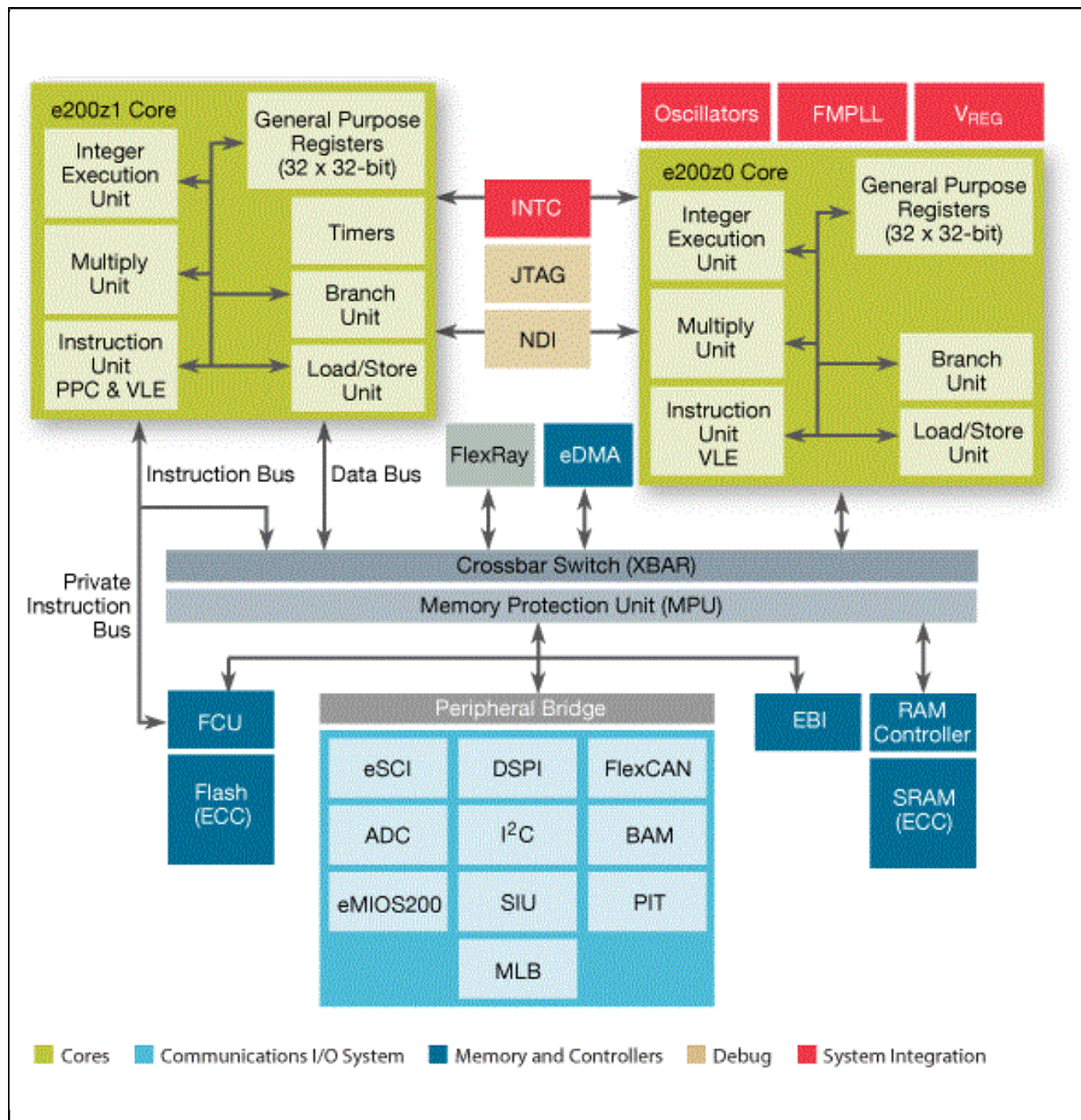
MPC5510

Last Updated: Apr 1, 2025

Designed for body electronics, the NXP MPC5510 MCU belongs to an expanding family of automotive-focused products that address the next wave of central body and gateway applications within the vehicle.

- Offers high-performance while continuing to meet low-power requirements
- Enables centralized architectures, which reduce the number of distributed ECUs and complexity of vehicle architectures
- Provides extensive communication capabilities (e.g., FlexRay, multiple CAN and LIN support)
- Offers room to grow with scalable family ranging from 512 KB up to 1.5 MB of embedded flash
- Backed by a third-party ecosystem of development tools and software

MPC5510 Block Diagram



View additional information for [32-bit MCU for Body Electronics Applications](#).

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. © 2025 NXP B.V.