



32-bit Microcontrollers

MPC564

Not Recommended for New Designs

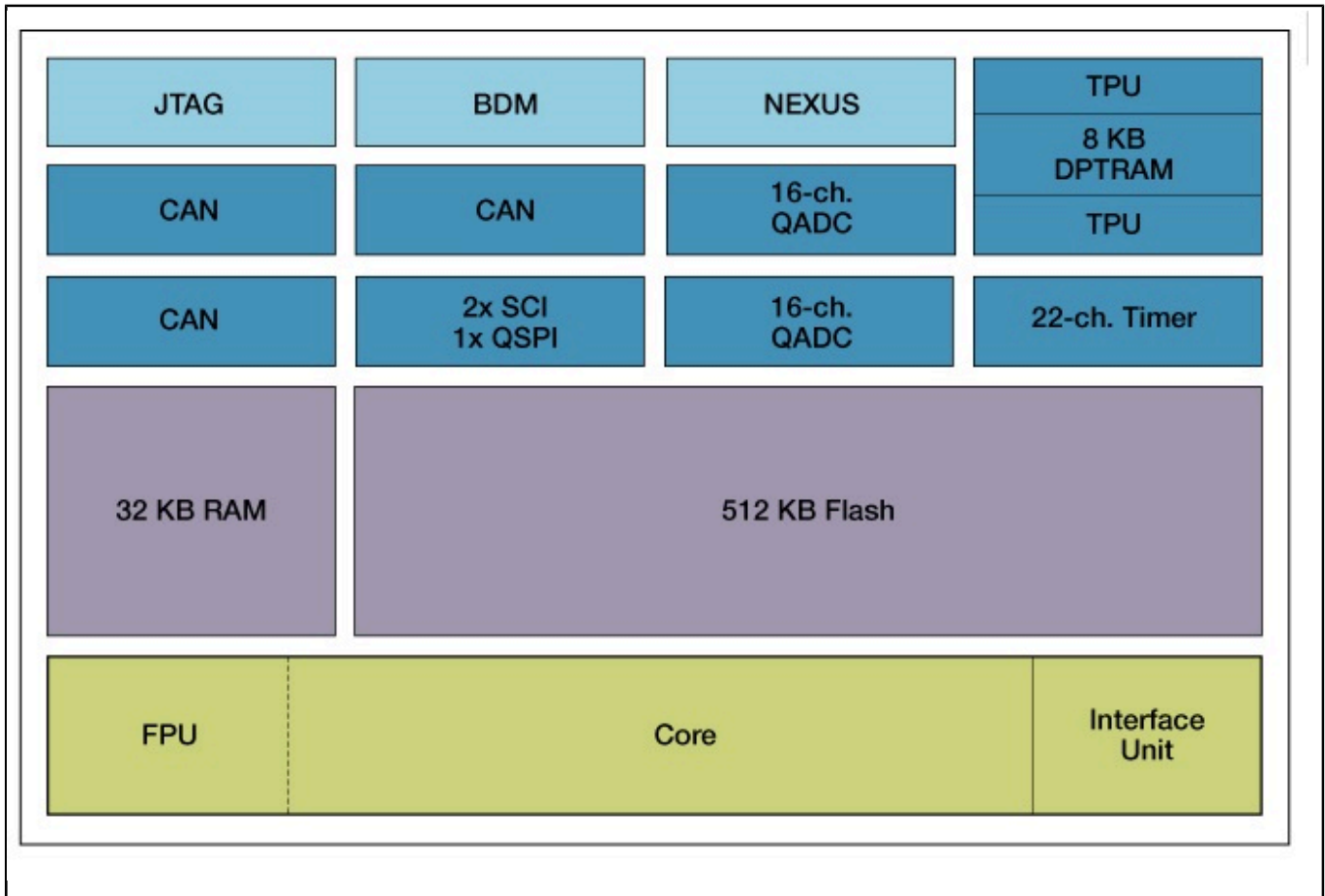
This page contains information on a product that is not recommended for new designs.

Last Updated: Apr 10, 2025

The MPC564 is a high-speed 32-bit control unit that combines high-performance data manipulation capabilities with powerful peripheral subsystems. This MCU is built up from standard modules that interface through a common intermodule bus (IMB).

The MPC564 is equipped with code compression designed to reduce program size by up to 50 percent, allowing you to store larger programs in the on-board flash memory. Compressed code may also improve performance when using external memories.

MPC564 Block Diagram



View additional information for [32-bit Microcontrollers](#).

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.