



Digital Signal Controllers

MC56F84xxx

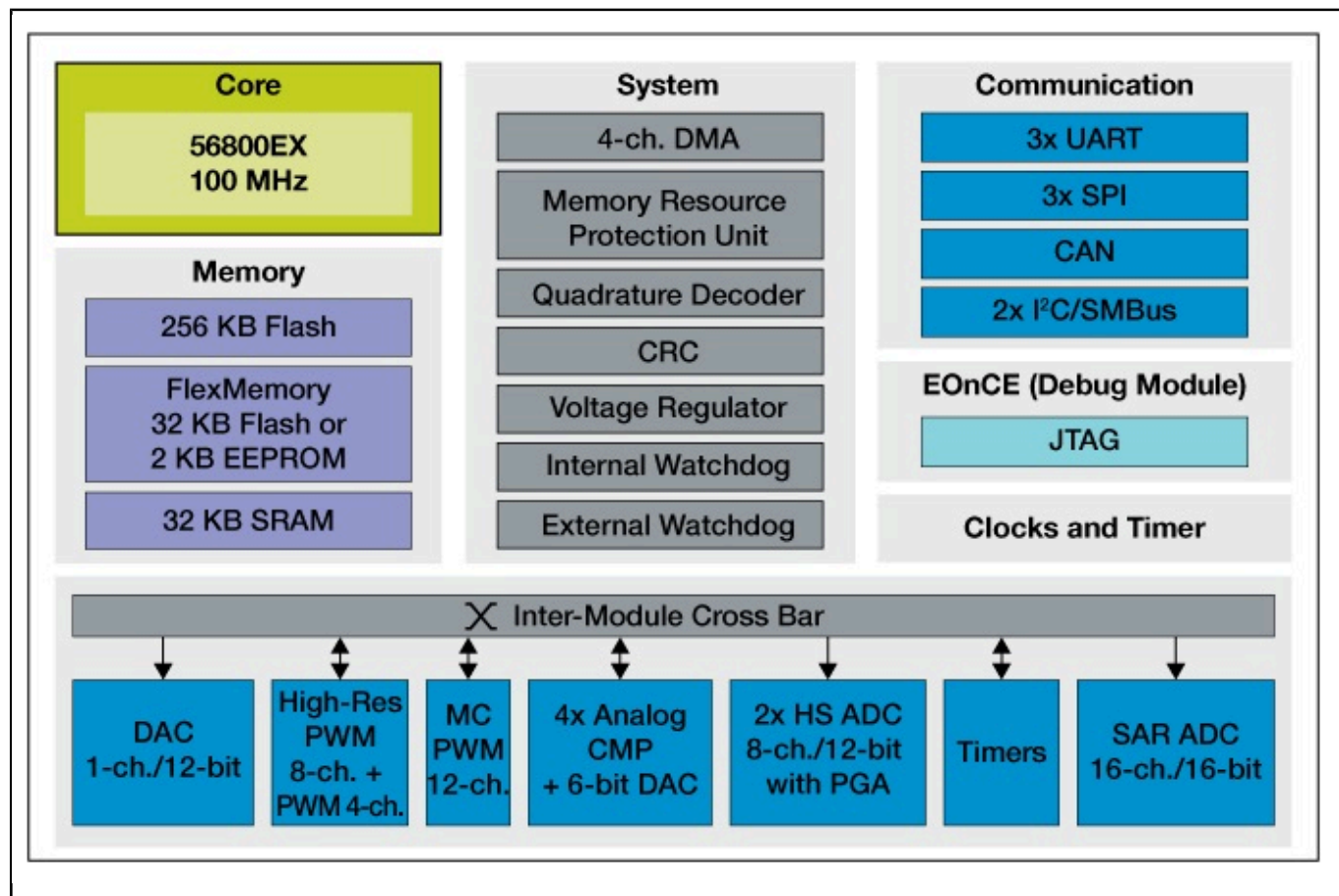
Last Updated: Jan 8, 2026

The MC56F84xxx is based on our 32-bit DSP core.

A high speed digital signal controller, offering exceptional precision, sensing and control for a very efficient digital power conversion and advanced motor control applications.

The MC56F84xxx includes advanced high-speed and high-accuracy peripherals.

MC56F84XX Block Diagram Block Diagram



View additional information for [Digital Signal Controllers](#).

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. © 2026 NXP B.V.