



8-bit S08RC, S08RD, S08RE and S08RG MCUs

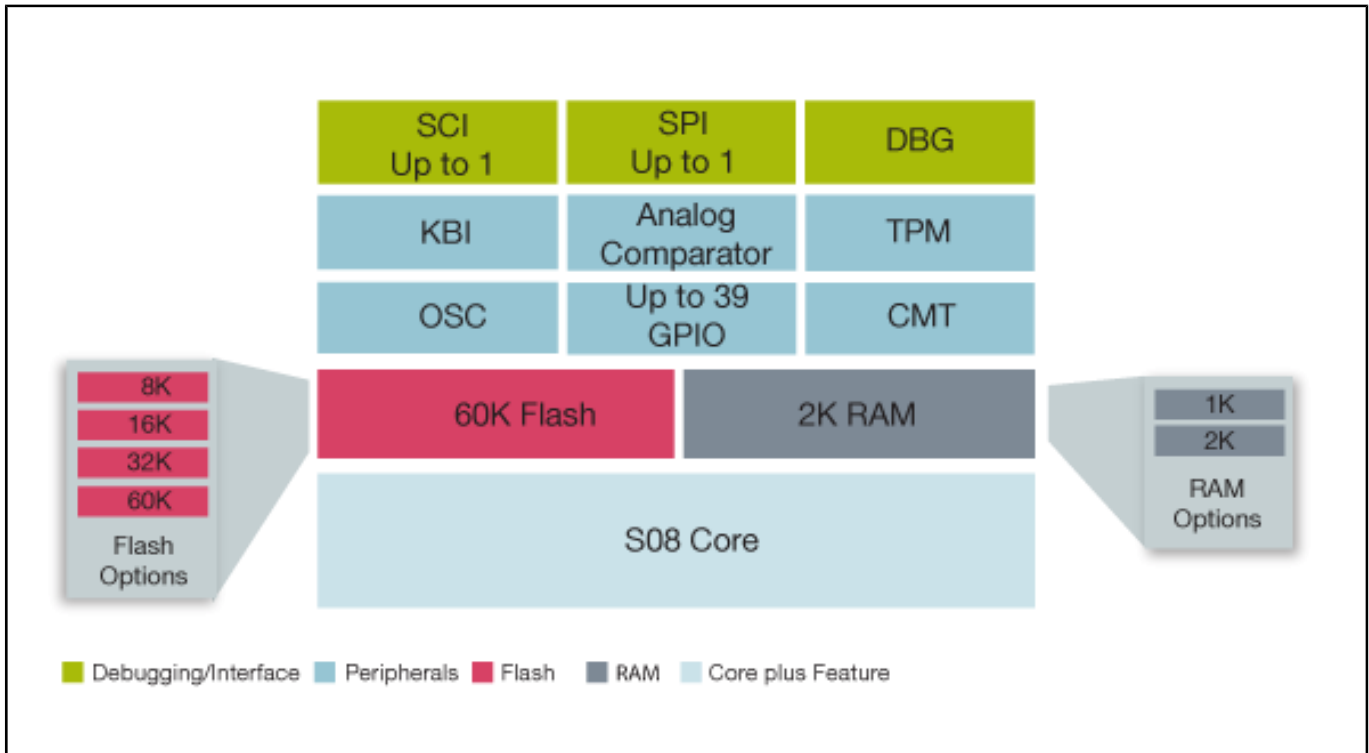
S08R

Last Updated: Aug 1, 2023

The S08R family offers an upward migration path from NXP's 68HC05 and 68HC08 architectures for applications that need lower power, more peripherals and higher performance than the enhanced [S08](#) core offers. This family is complemented by the S08RC, S08RD, S08RE and S08RG families.

Other features, depending on family member, include a carrier modulation timer for infrared remote control communications, a serial communications interface (SCI), serial peripheral interface (SPI), an analog comparator and two programmable timer channels.

Freescale S08R Microcontroller Block Diagram Block Diagram



View additional information for [8-bit S08RC](#), [S08RD](#), [S08RE](#) and [S08RG MCUs](#).

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.