



# Radar Microcontroller

## S32R294

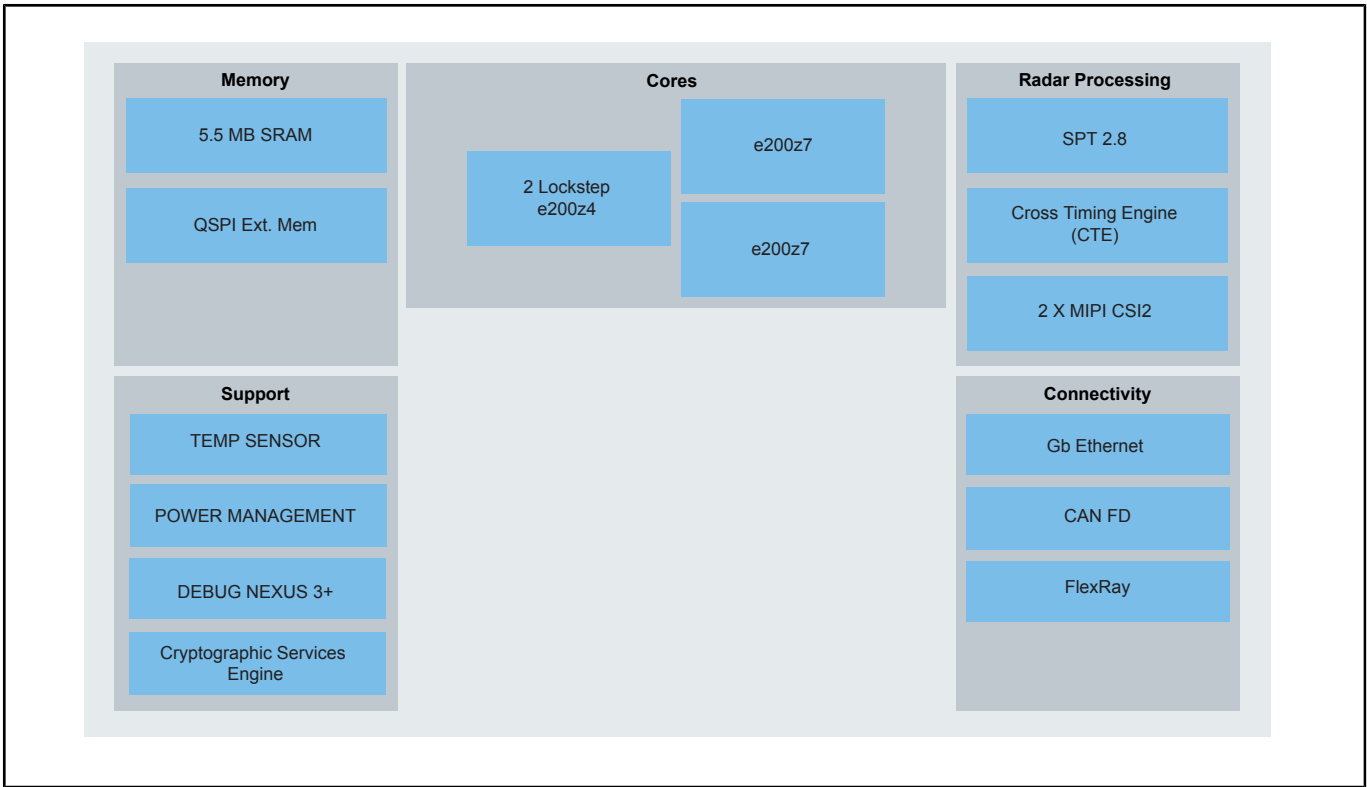
Last Updated: Mar 25, 2024

To build a complete radar system, please check out the fully integrated 77 Ghz RFCMOS companion Transceiver [TEF82xx](#).

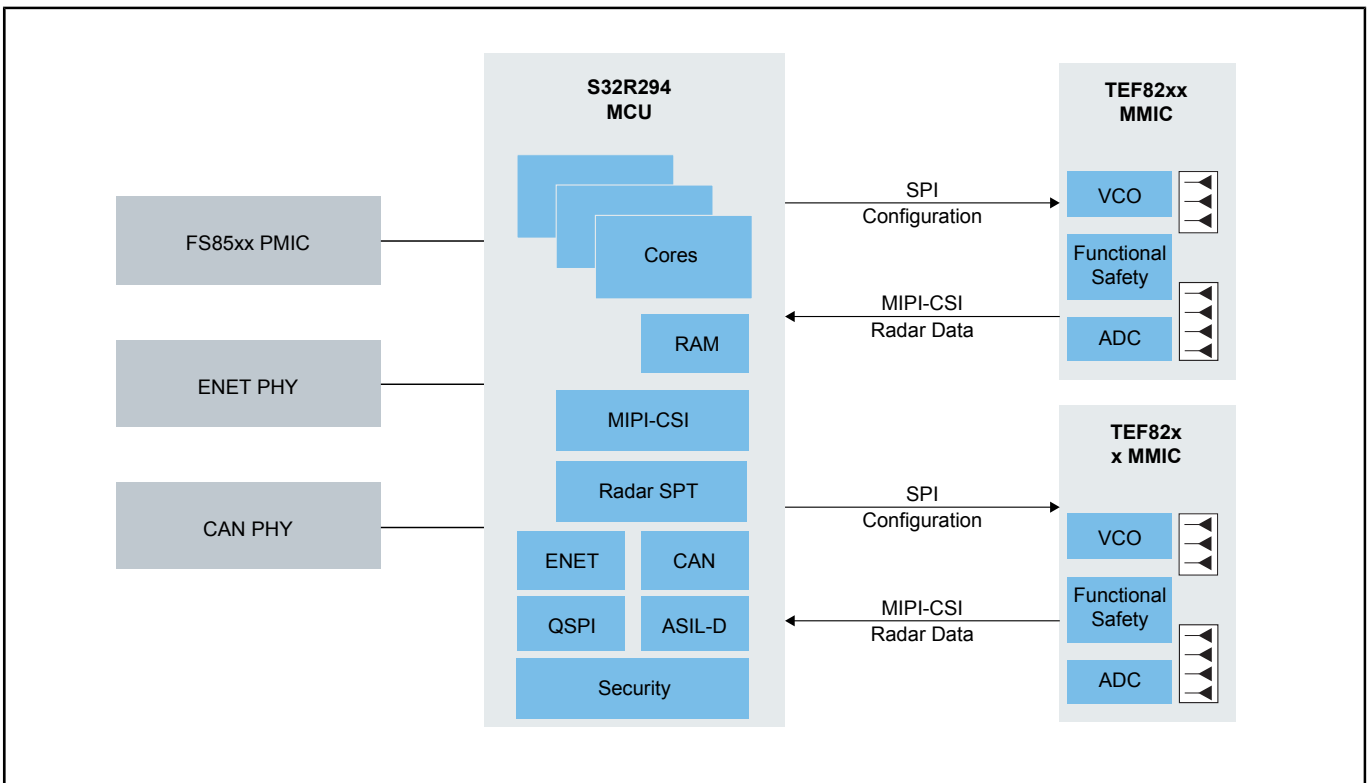
The S32R294 MCU enables customers to build scalable, safe and secure, automotive RADAR systems with balanced performance at an attractive power level dedicated to Corner and Front Radar applications.

The S32R294 provides additional family scalability when compared to the previous device, S32R274. It provides up to 5.5 MB SRAM, an additional MIPI CSI-2 interface, along with a doubling of the clock frequency for the cores. This results in a range of parts that covers existing radar application use cases and gives overhead for future application expectations.

## S32R294 Radar MCU Block Diagram



## S32R29x Application Block Diagram



View additional information for [Radar Microcontroller](#).

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

---

**[www.nxp.com](http://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.