



Ultra-Reliable MPC577xK MCU for ADAS and Radar

MPC577xK

Not Recommended for New Designs

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

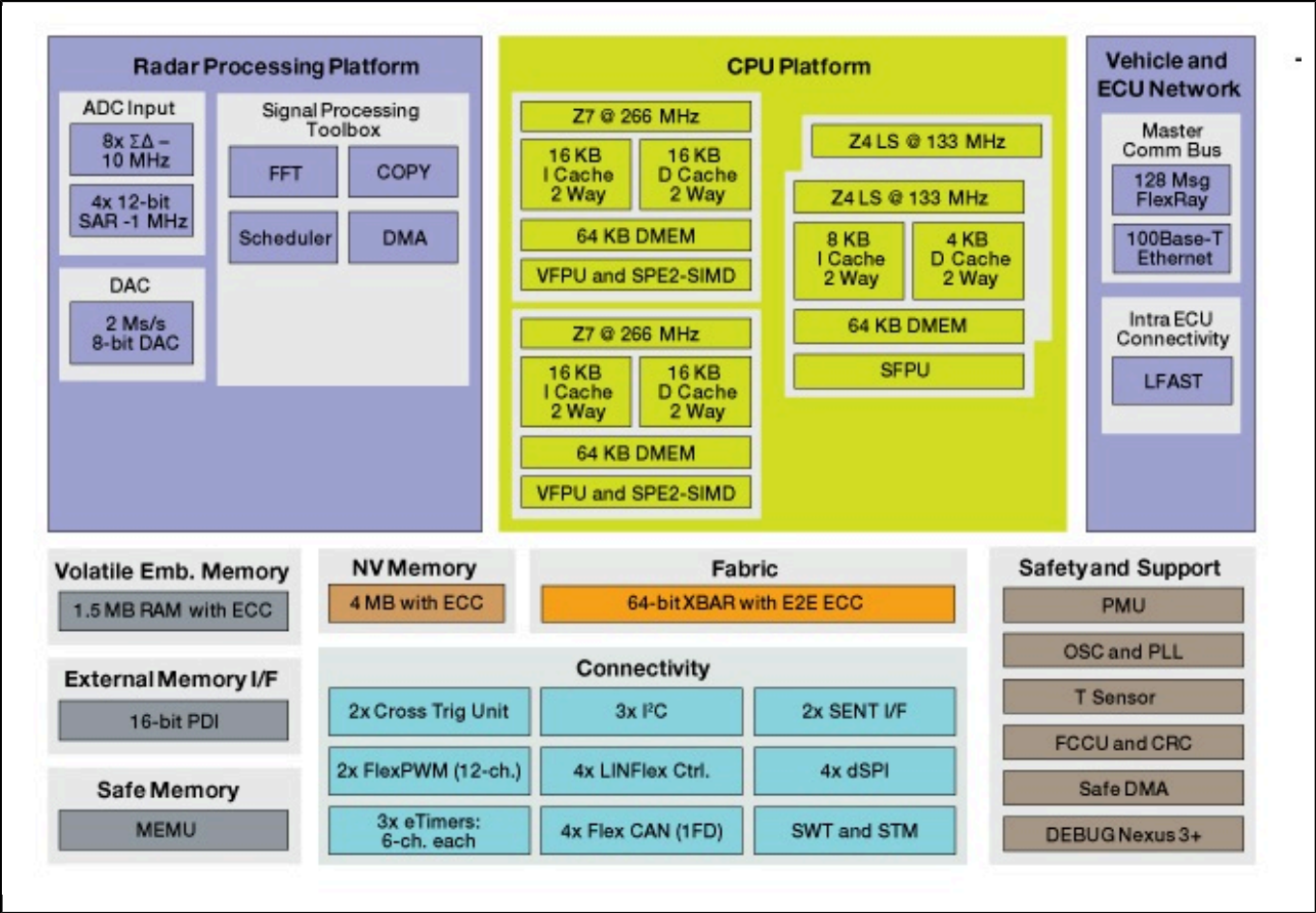
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Instead, use the 32-bit Power Architecture® e200z7 and e200z4 [S32R27](#) and [S32R37](#) MCUs: newer and more enhanced devices, meeting today's more advanced radar applications for NCAP and Level 2+. If you are still interested in MPC577xK MCUs, please contact your local [NXP sales representative](#).

The MPC577xK MCU revolutionizes the radar market by integrating additional external components to the MCU that is typically used in existing radar systems like FPGA, ADC, DAC, and SRAM —thus reducing the overall number of elements within the system, the size of the PCB, and the complexity of software.

MPC577xK microcontrollers are members of the 32-bit Power Architecture MPC57xx ultra-reliable MCU family and are part of the three generations of Radar-based solutions that NXP has in the market. The MPC577xK MCUs are in volume production with customers, meeting the need for more automotive safety and driving the adoption of Advanced Driver Assistance Systems (ADAS) and Radar applications like Adaptive Cruise Control (ACC), Emergency Braking Systems (EBS), or blind-spot detection.

MPC577xK Block Diagram Block Diagram



View additional information for [Ultra-Reliable MPC577xK MCU for ADAS and Radar](#).

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