



# LPC553x/S3x: Advanced Analog Arm®Cortex®-M33-Based MCU Family

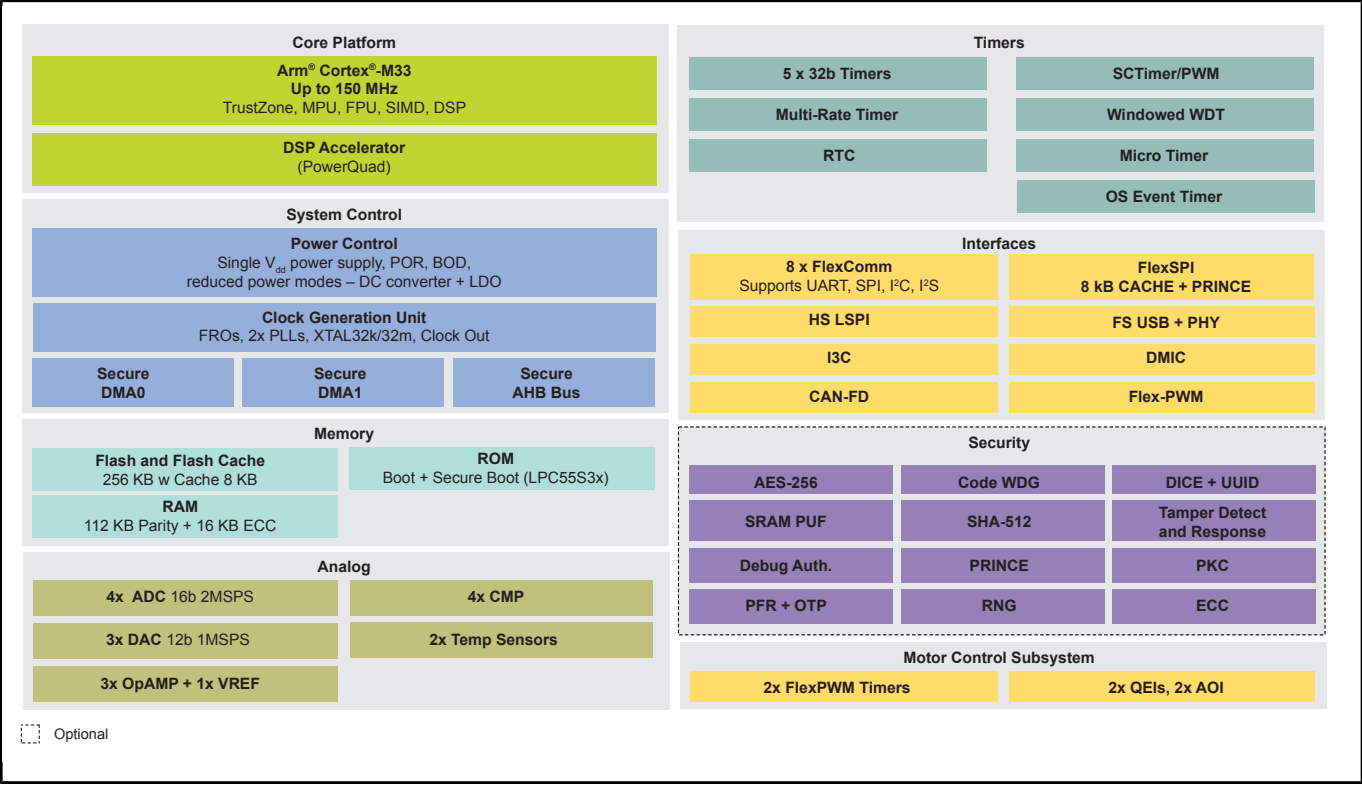
## LPC553x

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The LPC553x/S3x MCU family further expands the general purpose Cortex-M33-based MCU series, offering significant performance enhancement, all on-chip RAM with Parity or ECC, renewed security features and precision analog additions, leveraging the cost-effective 40-nm NVM process technology.

The LPC553x/S3x family includes a proprietary DSP accelerator offering 10x clock cycle reduction, bringing significant signal processing efficiency gains.

# LPC553x/55S3x MCU Block Diagram



View additional information for [LPC553x/S3x: Advanced Analog Arm®Cortex®-M33-Based MCU Family](#).

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