



S32E2 Safe and Secure High-Performance Real-Time Processors with Actuation Support

S32E2

Preproduction

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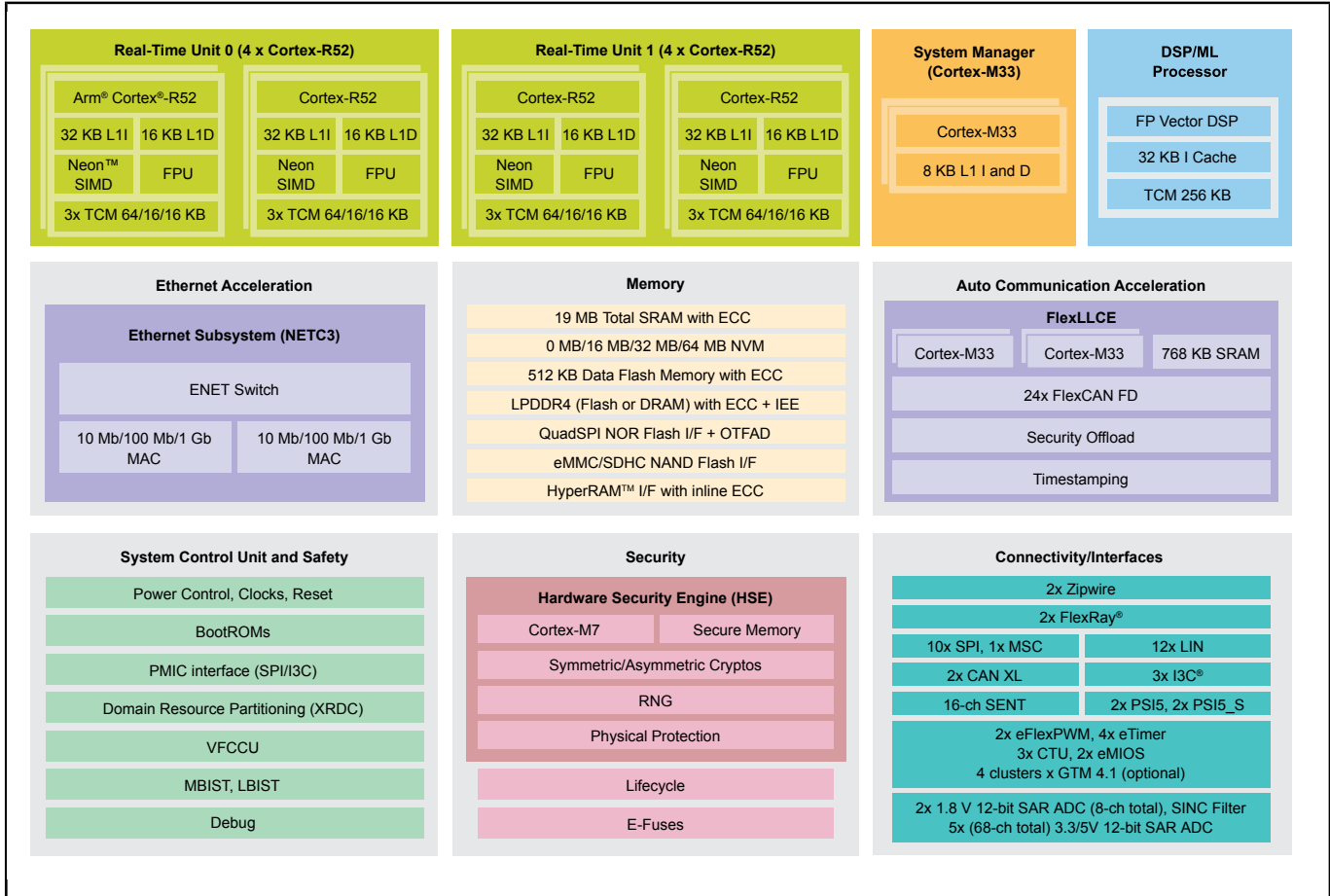
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S32E2 high-performance real-time processors accelerate the integration of diverse, real-time applications to support electric vehicle (xEV) control and smart actuation. The S32E2 processors help enable software-defined vehicles, reduce software integration complexity and enhance safety and security.

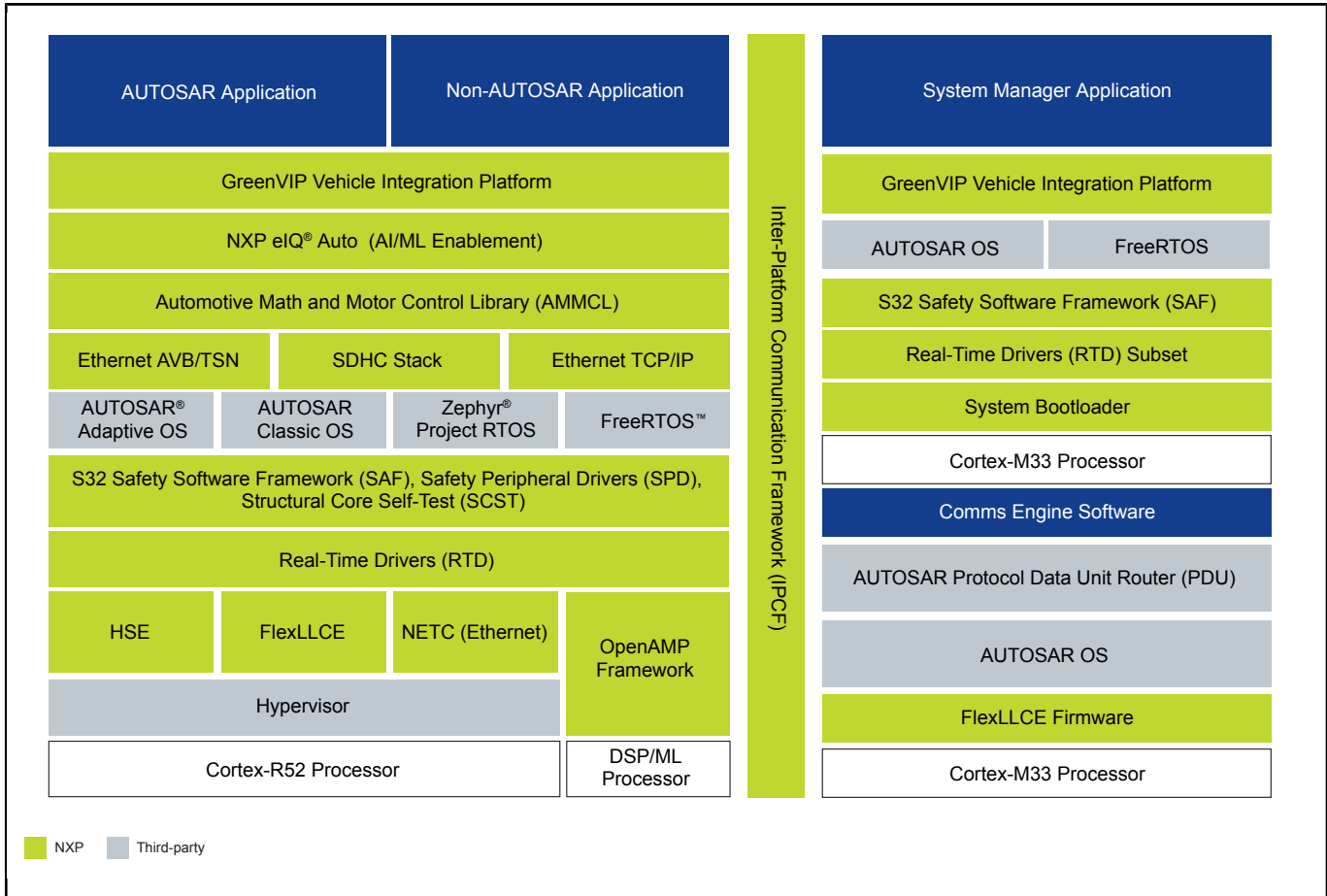
The 16nm S32E2 processors combine real-time and DSP/ML processing with hardware virtualization, scalable non-volatile memory, flexible expansion memory support and network acceleration. The processors are developed according to processes that are certified to ISO/SAE 21434 for cybersecurity and ISO 26262 for ASIL D functional safety. The S32E2 processors are software-compatible with the S32Z2 processors that target safety processing and domain and zonal control.

The S32E2 processors are enabled with GreenVIP vehicle integration platform software and the GreenBox 3 development platform, along with a strong partner ecosystem.

S32E2 Real-Time Processors Block Diagram Block Diagram



S32Z and S32E Real-Time Processors Software Block Diagram Block Diagram



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