



S32Z2 Safe and Secure High-Performance Real-Time Processors

S32Z2

Preproduction

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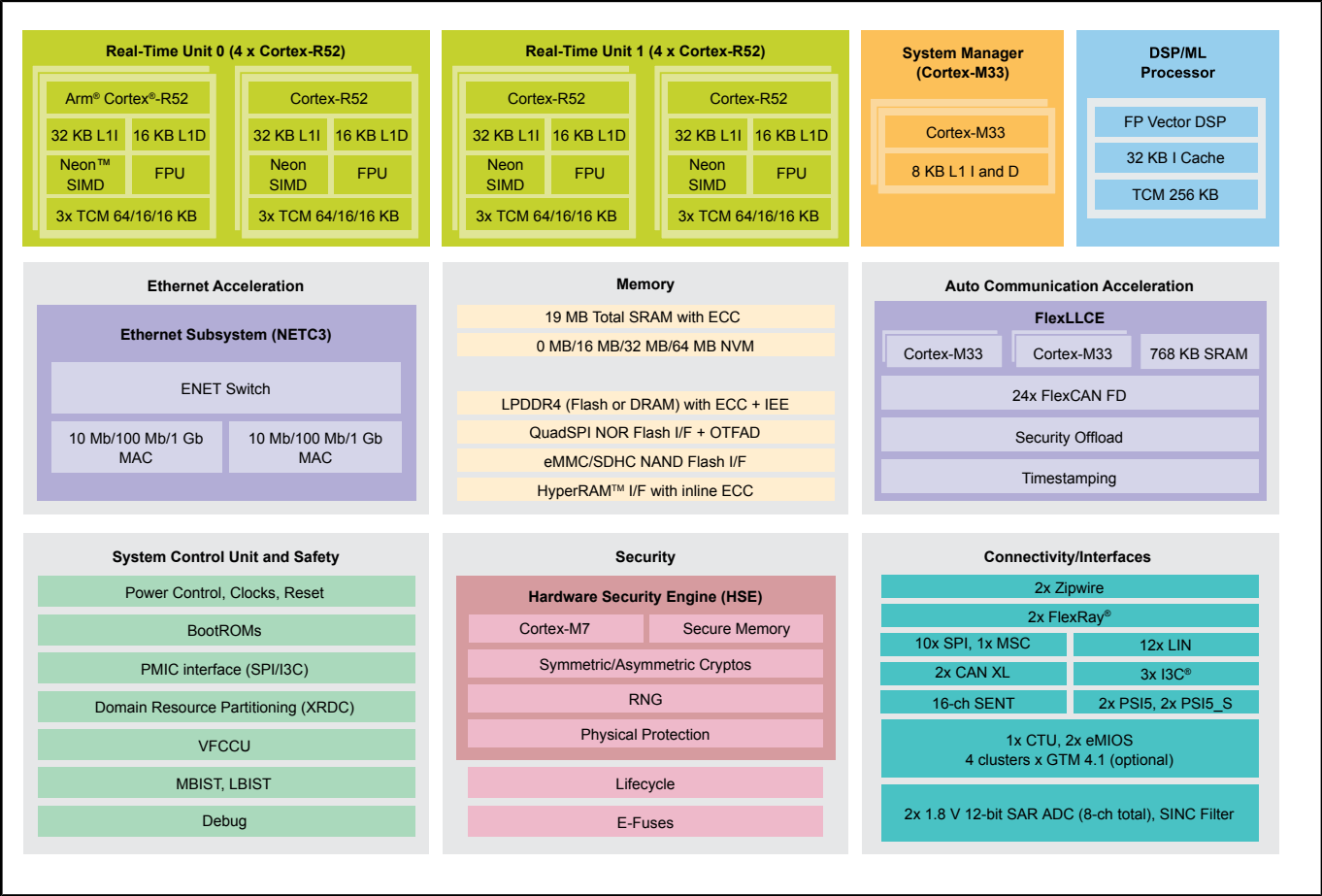
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S32Z2 high-performance real-time processors accelerate the integration of diverse, real-time applications include safety processing and domain and zonal control. The S32Z2 processors help enable software-defined vehicles, reduce software integration complexity and enhance safety and security.

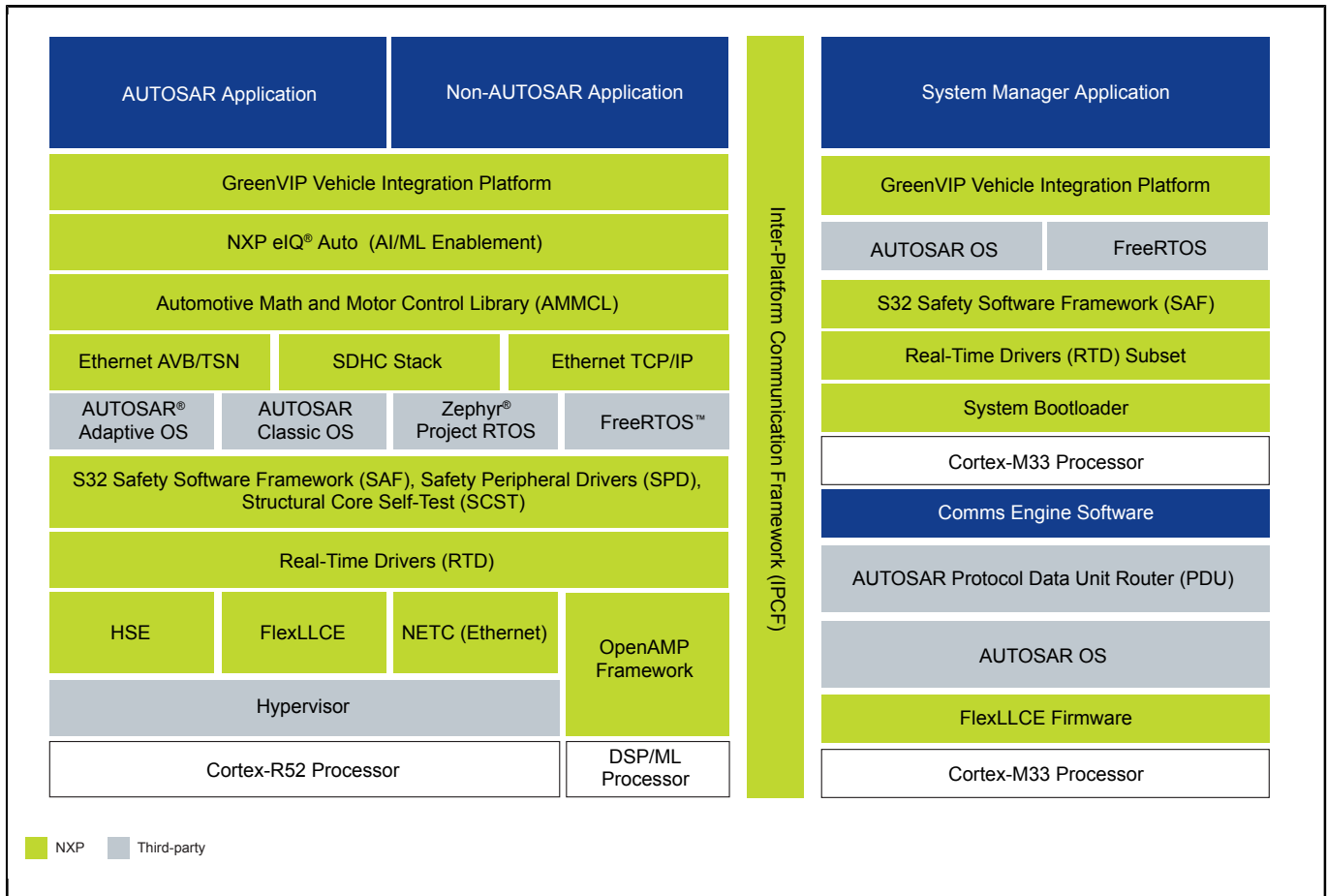
The 16nm S32Z2 processors combine real-time and DSP/ML processing with hardware virtualization, scalable non-volatile memory, flexible expansion memory support and network acceleration. The processors are developed according to processes that are certified to ISO/SAE 21434 for cybersecurity and ISO 26262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

The S32Z2 processors are enabled with GreenVIP vehicle integration platform software and the GreenBox 3 development platform, along with a strong partner ecosystem.

S32Z2 Real-Time Processors Block Diagram



S32Z and S32E Real-Time Processors Software Block Diagram



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