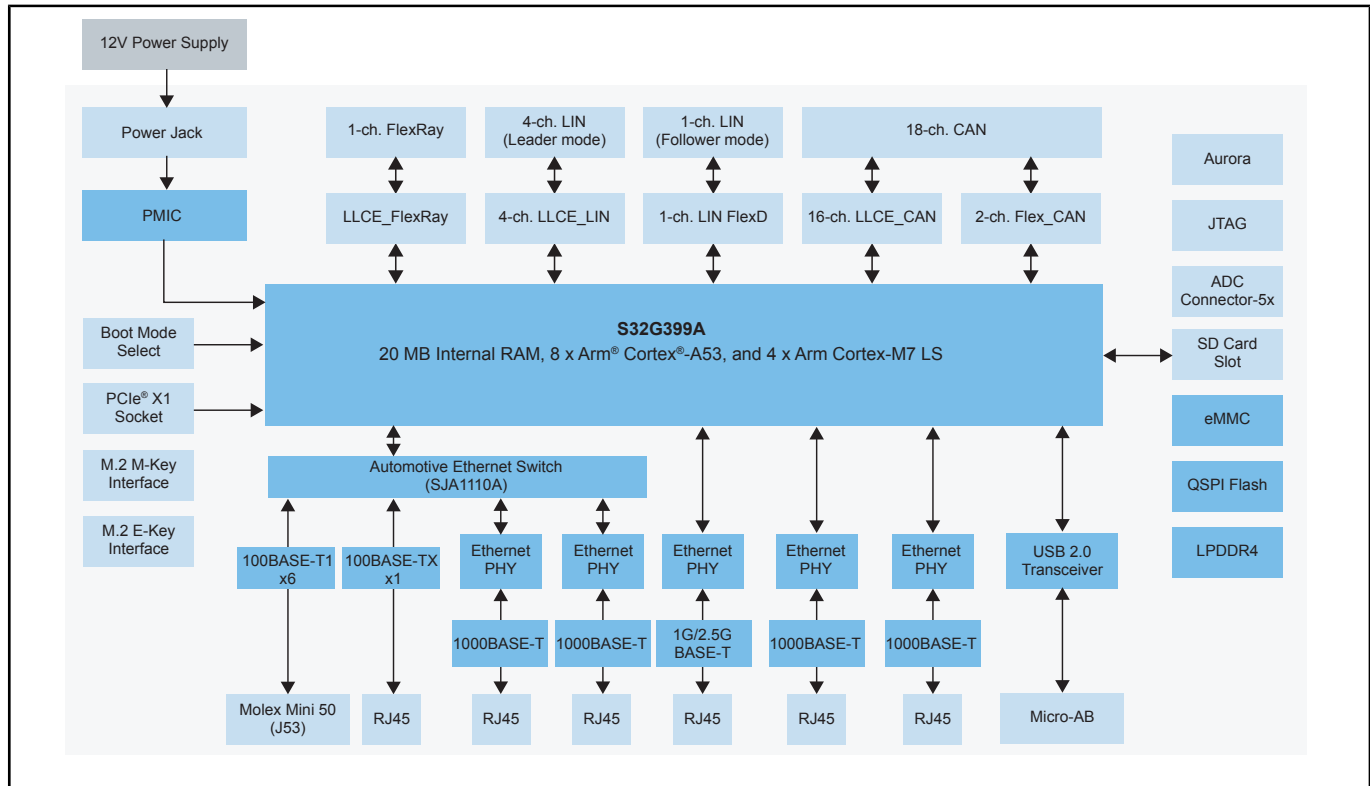# S32G3 Vehicle Networking Reference Design

S32G-VNP-RDB3

Last Updated: Dec 23, 2025

The S32G-VNP-RDB3 is a compact, highly optimized and integrated board engineered for vehicle computer, service-oriented gateways (SoG), domain control applications, high-performance processing, safety and security applications.

Based on octal Arm® Cortex®-A53 cores (with optional cluster lockstep) and quad, dual-core lockstep Arm® Cortex-M7® cores, the S32G-VNP-RDB3 offers a high-performance computing capacity and rich input/output (I/O), high levels of compute, real-time network performance, multi-Gigabit packet acceleration and security for a variety of typical and new automotive applications.

S32G3 Vehicle Networking Reference Design Block Diagram

View additional information for S32G3 Vehicle Networking Reference Design.

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