

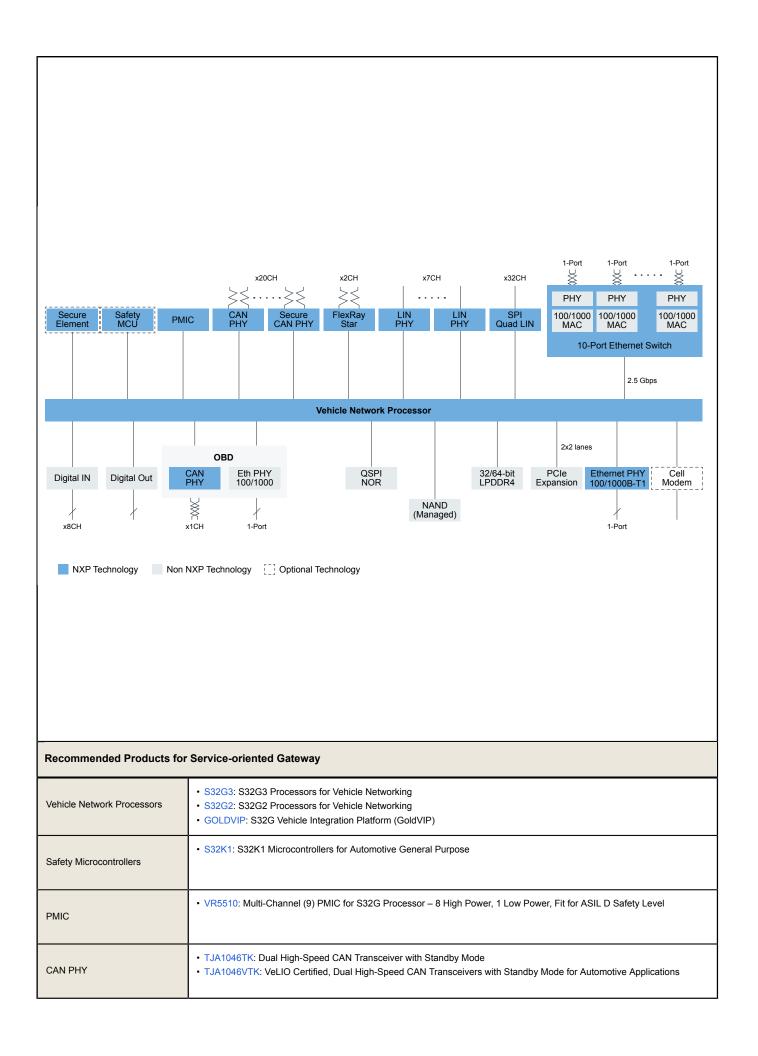
Service-Oriented Gateway

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Service-oriented gateways require high performance and networking capabilities to meet the processing requirements and high-bandwidth vehicle data usage for services. Examples of services include vehicle health monitoring or prognostics, vehicle-wide OTA updates, edge data analytics and car sharing support, with many new services expected in the future.

These services can transform the automotive industry by providing disruptive opportunities that generate new revenue streams for automakers, enhance safety and security, improve user experiences and reduce costs.

Service-oriented Gateway Block Diagram



Secure CAN PHY	Secure CAN Transceivers: Secure TJA115x CAN Transceiver Family TJA1462: CAN Signal Improvement Capability Transceiver with Standby Mode TJA1463: CAN Signal Improvement Capability Transceiver with Sleep Mode TJA144x: Automotive CAN FD Transceiver Family
LIN PHY	TJA1128: LIN Mini System Basis Chip TJA1022: Dual LIN 2.2A/SAE J2602 Transceiver TJA1024HG: Quad LIN 2.2 A/SAE J2602 Transceiver
Ethernet	SJA1110: Multi-Gig Safe and Secure TSN Ethernet Switch with Integrated 100BASE-T1 PHYs
FlexRay Star	TJA1085G: FlexRay Active Star Coupler – 4 Branch TJA1085: FlexRay Active Star Coupler – 4 Branch
SPI-QuadLIN	SJA1124: Quad LIN Commander Transceiver with LIN Commander Controller
Secure Element	NCJ38A: Automotive-Qualified Embedded Secure Element (SE)
Ethernet PHY 100/1000B-T1	TJA1103: TJA1103, ASIL B Compliant Automotive Ethernet 100BASE-T1 PHY Transceiver TJA1120: TJA1120, ASIL B Compliant Automotive Ethernet 1000BASE-T1 PHY Transceiver

View our complete solution for Service-Oriented Gateway.

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

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