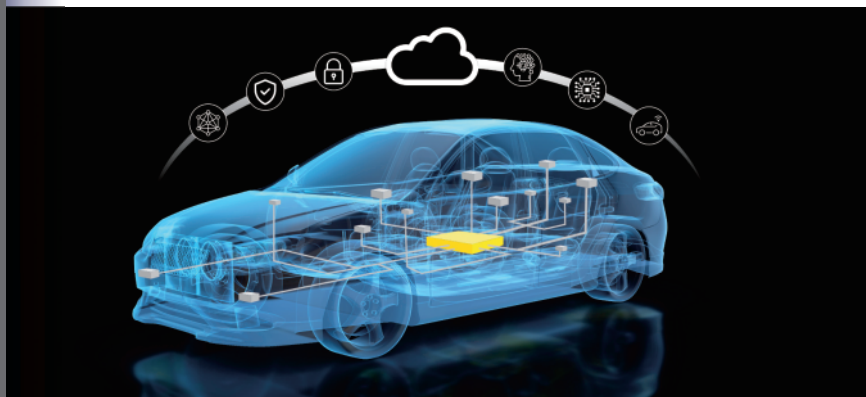


# Automotive Central Gateway



- NXP S32G Quad ARM Cortex-A53 cores with 32GB DDR4 memory
- High performance processing and service-oriented operation
- Real-time processing and signal routing
- Huge data buffer and store
- Integrate with 19x CAN FD; 7x LIN; 4x FlexRay; 4x 1GBase-T1; 6x 100Base-T1; 2x 10G SFP+
- High available function safety requirements with
  - Fault detection by ASIL-D PMIC
  - Fail operation by lockstep cores
  - NXP Hardware Security Engine (HSE)
- OTA Firmware upgrade

Item	Description
MCU	NXP S32G Series
Memory	32GB LPDDR4
Storage	32GB eMMC
Ethernet	<b>NXP S32G274A</b> • 1 x 1G Base -T1 <b>NXP SJA1110A</b> • 6 x 100 Base - T1 • 1 x 1G Base - T1 <b>NXP LS1046A (Optional, no AVB/TSN)</b> • 2 x 1G Base - T1 • 2 x SFP+
CAN	19 x CAN FD
LIN	7 x LIN
FlexRay	4 x FlexRay
OBDII	1 x 100 Base - TX 1 x CAN