

# Automotive Central Gateway



- NXP S32G 8 ARM Cortex-A53 and 4 Cortex-M7 cores with 32GB DDR4 memory
- High performance processing and service-oriented operation for vehicle network
- Real-time processing and signal routing
- Huge data buffer and store
- Integrate with 19x CAN FD; 7x LIN ; 4x 1GBase-T1; 6x 100Base-T1
- 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
- VicOne Enabling Customer-Driven Cybersecurity Implementation

Item	Description
MCU	NXP S32G Series
Memory	32GB LPDDR4
Storage	256GB eMMC
Ethernet	<b>NXP S32G399A</b> • 2 x 1G Base - T1 <b>NXP SJA1110A</b> • 6 x 100 Base - T1 • 2 x 1G Base - T1
CAN	19 x CAN FD
LIN	7 x LIN
OBDII	1 x 100 Base - TX 1 x CAN