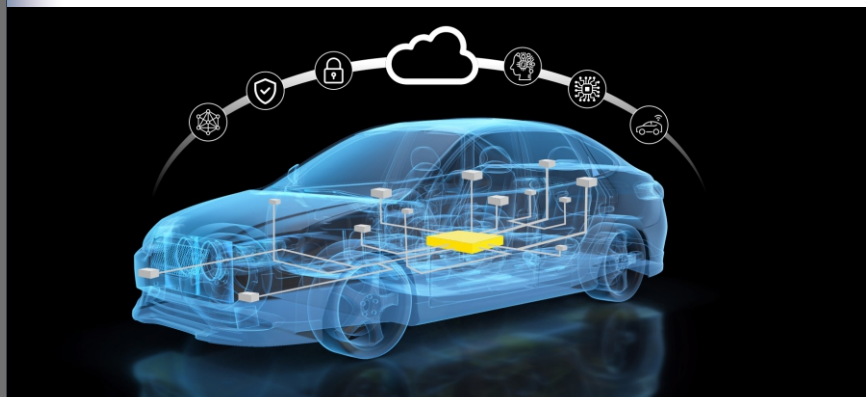


Automotive Central Gateway



- 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 | NXP S32G399A • 2 x 1G Base - T1 NXP SJA1110A • 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 |