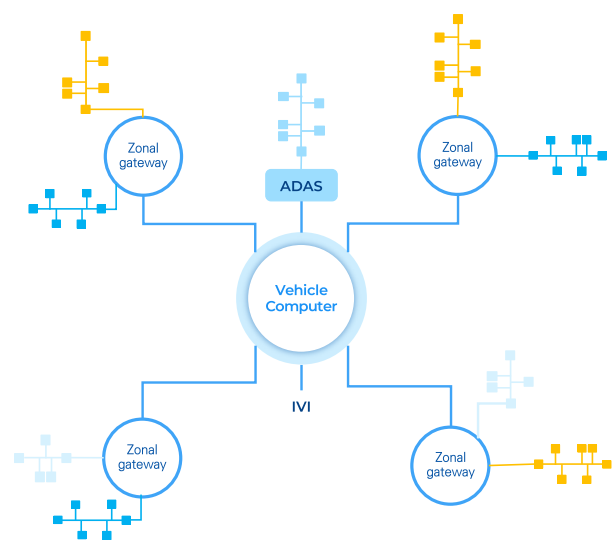
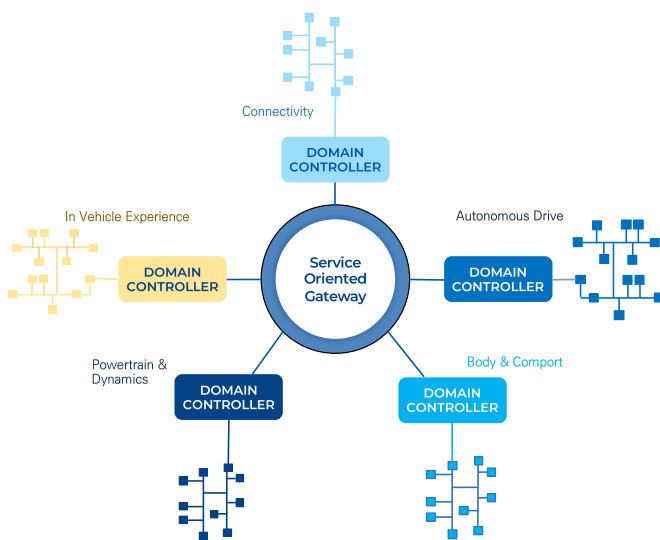


Automotive MCU

SDV Architecture

E/E Platform (Transition to the future E/E)

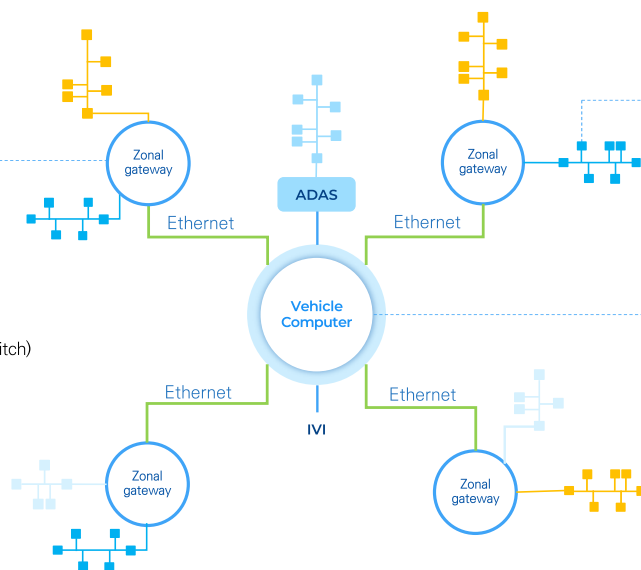
Heavy data traffic but safe transition to the final architecture



Hierarchy of Automotive Semiconductor for SoA

Zonal Processor

- Ethernet
- Ethernet to Legacy Interface conversion
- CAN/CAN-FD/CAN-XL/LIN/FlexRay
- SOME/IP
- DDS(Distributed Data Bus System)
- OTA
- Hypervisor
- Intelligent power distribution (e-Fuse/e-Switch)
- Switch as junction box



MCU

- 10Base-T1S
- CAN/CAN-FD/CAN-XL/FlexRay/LIN
- Supportive for SOME/IP
- & Legacy domain-oriented mixed functions

Vehicle computer

- In car application server
- Fast ethernet Switch
- Wireless
- Multi GiGa
- TSN/AVB
- DDS(Distributed Data Bus System)
- OTA
- Hypervisor
- Partial distributed computing
- SOME/IP
- Fully scalable and upgradable platform