Central gateway

Central in-vehicle communication node

The central communication node "Gateway" is the home for the growing number of cross domain functions and IoT services. The gateway protects the in-vehicle network against unauthorized access with various security concepts.

Cross domain communication and connected services

- The gateway is the secure central communication node, acts as a router (for in-vehicle communication and through the CCU to the outside) and is the gate for all data coming into the vehicle.
- Due to the access to data, sensors and actors within the whole vehicle, the gateway is able to host upcoming vehicle functions and connected services.
- Supports various bus systems (Ethernet, CAN, LIN).
- Security functions like firewall and intrusion detection to secure vehicle communication and connected services.
- Enables remote diagnostic services and software updates to keep the vehicle up to date.

security functions

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integration

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