



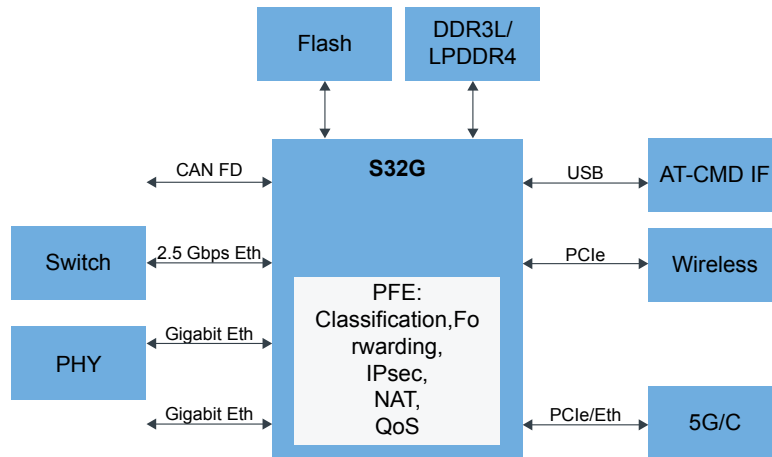
# Automotive Access Point

Last Updated: Apr 8, 2025

The Automotive Access Point application integrates the functionality of a smart antenna and a service-oriented gateway (SoG) but can also operate as a standalone box for smart antenna applications or gateways.

The key functionalities include; high-performance wireless connectivity based on Wi-Fi® 6 with concurrent dual Wi-Fi 2 x 2 plus 2 x 2; PCIe® interfacing to Wi-Fi 6, providing concurrent dual Wi-Fi support access points and station modes; enablement of more smart edge services with lower latency (like C-V2X data process and fusion); and asymmetric high-performance multiple cores, network accelerators, and rich communication peripherals to enable service-oriented gateways.

## Automotive MPU Block Diagram

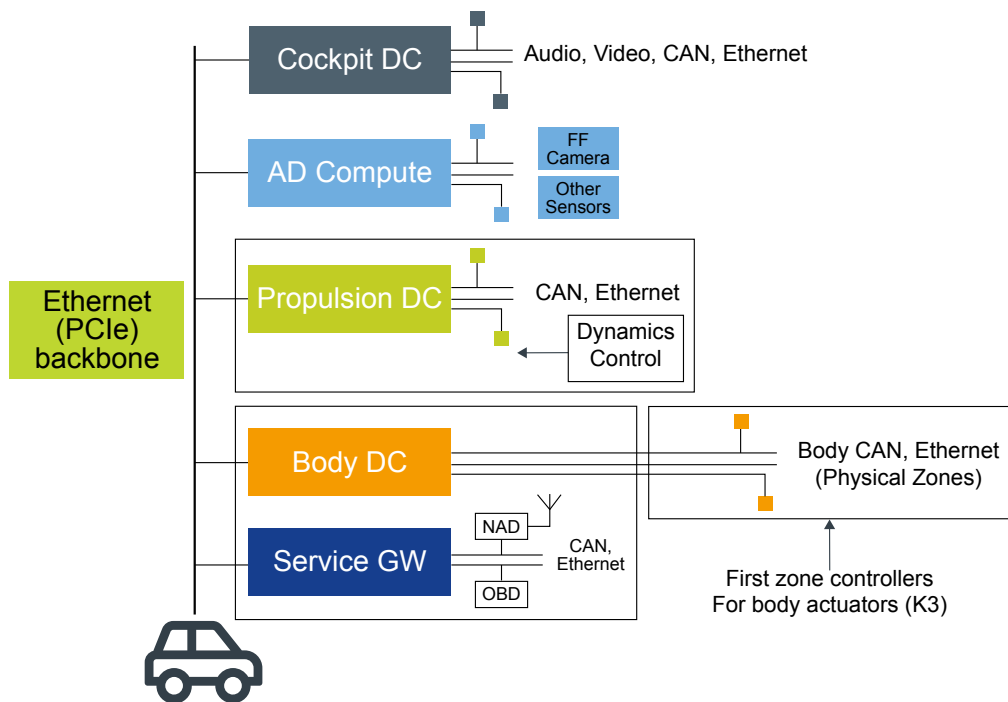


■ NXP Technology
 ■ Non NXP Technology
  Optional Technology

#### Recommended Products for Automotive MPU

Automotive Access Point Processor	<ul style="list-style-type: none"> <li>• <a href="#">S32G3</a>: S32G3 Processors for Vehicle Networking</li> <li>• <a href="#">S32G2</a>: S32G2 Processors for Vehicle Networking</li> <li>• <a href="#">GOLDVIP</a>: S32G Vehicle Integration Platform (GoldVIP)</li> </ul>
Switch	<ul style="list-style-type: none"> <li>• <a href="#">SJA1105EL</a>: SJA1105EL: Five- Ports AVB Automotive Ethernet Switch</li> <li>• <a href="#">SJA1105PQRS</a>: SJA1105PEL/QEL/REL/SEL Series Ethernet Switches</li> <li>• <a href="#">SJA1105TEL</a>: Five- Ports AVB and TSN Automotive Ethernet Switch</li> <li>• <a href="#">SJA1110</a>: Multi-Gig Safe and Secure TSN Ethernet Switch with Integrated 100BASE-T1 PHYs</li> </ul>
PHY	<ul style="list-style-type: none"> <li>• <a href="#">TJA1120</a>: TJA1120, ASIL B Compliant Automotive Ethernet 1000BASE-T1 PHY Transceiver</li> </ul>

### Access Control Application Block Diagram



View our complete solution for [Automotive Access Point](#).

**Note:** The information on this document is subject to change without notice.

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