

Automotive Semiconductor Intelligence Service

Strategic intelligence on semiconductor integration in next-gen vehicles with demand forecasts across 50+ automotive applications.

Key Questions Answered

- How fast is the automotive semiconductor market growing? What's driving that acceleration?
- Which semiconductor types and vehicle applications—from ADAS to xEV systems—are seeing the biggest impact?
- How are revenue and unit shipments evolving across device types and engine categories (ICEV to BEV)?
- What's the competitive and regional landscape of market—who's gaining share and where?
- What do the latest design and technology trends mean for your roadmap over the next 5 years?

What We Offer

- Comprehensive coverage of vehicle electronic applications and semiconductor device types, including ADAS, xEV systems, powertrain, sensors, analog ICs, logic, memory and more
- Robust intelligence on global vehicle production trends, segmented by engine type (ICEV, BEV, PHEV, FHEV, MHEV) and production regions
- In-depth analyst insights on key market events, technology shifts and competitive moves, helping you stay ahead of market dynamics
- Direct access to Omdia's experts for strategic support, data interpretation and validation of market assumptions.

Three mega trends in the automotive industry – i) vehicle electrification, ii) digital transformation, and iii) vehicle connectivity – are driving the growth of the automotive semiconductor market. It is crucial for companies to understand the magnitude of this rapid growth, and which applications and devices will be most affected.



Sang Oh

Principal Analyst

SPEAK WITH OUR EXPERTS

Comprehensive guide to the automotive semiconductor market

Scope of Research



Complete Value Chain View

Covers **29** semiconductor device types and over **50** electronic vehicle applications—from ADAS, xEV, infotainment to powertrain and more.



High-Resolution Component Breakdown

Granular tracking of sub-device types including DRAM, MCUs, ASICs, image sensors and power discretes across all major component families.



Application-to-Silicon Mapping

Links silicon usage to vehicle-level systems across body, chassis, and cockpit modules, enabling strategic component demand analysis.



Global Production Lens

Tracks vehicle production across **5** powertrain types and **5** vehicle grades across all key automotive regions—Americas, EMEA, China, Japan, Rest of Asia and Oceania.



Forecasting Depth

Delivers a **5-year** forward-looking forecast and **2–3** years of historical data for revenue and unit shipments by device, application, and vendor.



Functional Impact

Built to serve strategic, procurement, and product functions across OEMs, Tier-1/2 suppliers, semiconductor vendors, and advisory firms.

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