

Automotive Semiconductor Market Tracker

Part of Semiconductor Market Service Area Package

Essential for a competitive understanding of the comprehensive automotive semiconductor market and it reports on 33 unique semiconductor device types used across over 50+ different primary vehicle electronic applications. The tracker is built from the bottom up, driven by vehicle production and electronic module fitment projections.

“ The adoption of ADAS and electric vehicle powertrain systems in the automotive sector have grown rapidly. The semiconductor components that make up these electronic systems per vehicle will quadruple by 2025. It is crucial for companies to understand the magnitude of this rapid growth, and which applications and devices are the main drivers. ”

Sang Oh
Senior Analyst

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Comprehensive automotive semiconductor tracker that covers the latest market conditions and forecasts for component devices and vehicle applications

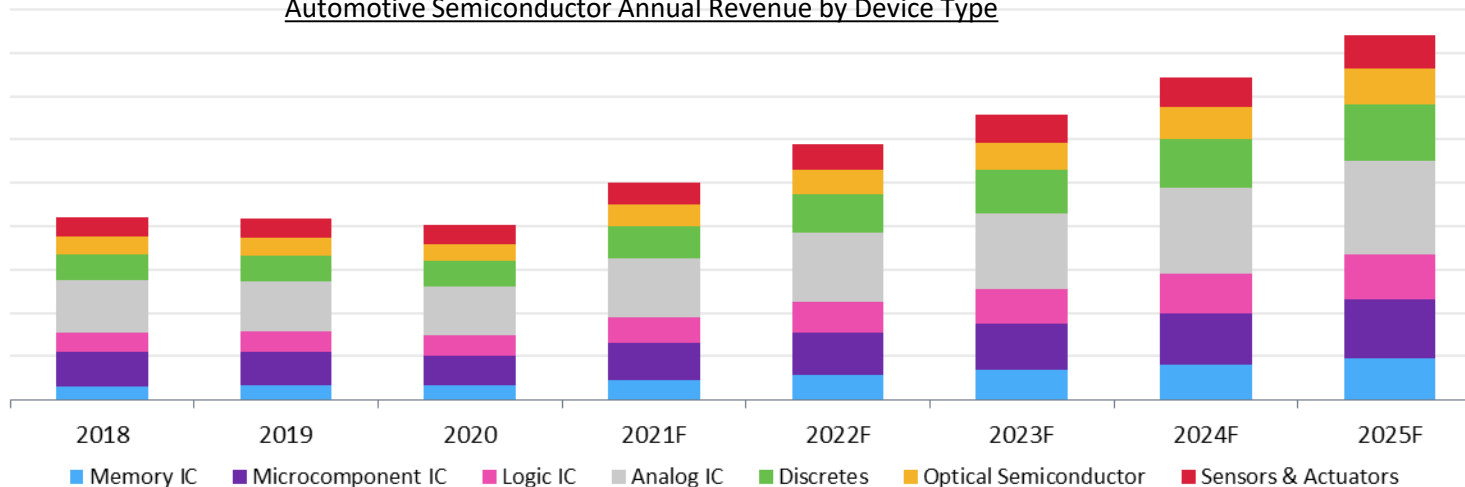
HOW OMDIA HELPS YOU

- Provide the latest market size of the automotive semiconductor industry by sub-devices and vehicle applications
- Provide five years of market forecasts and offer unique insights based on industry mega-trends
- Offer deep-dive analysis of the market based on global vehicle production numbers and supplier-specific KPIs

KEY QUESTIONS ADDRESSED

- What is the current market size of the automotive memory IC? What is the split between DRAM and flash memory? What is the percentage growth from the previous year?
- Who are the market leaders in various automotive semiconductor device types? What is my firm's position within the automotive MCU, logic IC, or amplifier & comparator sector?
- What is the future outlook for the automotive semiconductor industry? What will be the market size of CMOS image sensors for ADAS application in the next five years? How will the electric vehicle powertrain application affect the growth of the discrete category?
- How many semiconductors are embedded in a vehicle? per ICE? Which application requires the most amount of semiconductor in battery electric vehicles?

Automotive Semiconductor Annual Revenue by Device Type



Semiconductor Components: Our Expert Analysts



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Senior Research Analyst
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Market Tracker

Automotive Semiconductor Market Tracker

Comprehensive automotive semiconductor tracker that covers the latest market conditions and forecasts for component devices and vehicle applications

DETAILS

Frequency:

- Semi annually updated

Deliverable:

- Database (XLS)
- Report with analysis (PDF)

Measures

- Semiconductor revenue by device type
- Semiconductor revenue by application type
- Semiconductor units by device type
- Semiconductor units by application type
- Vehicle production units

Regions

- Global

COVERAGE

Timeline:

- 5-year annual forecast (2021 – 2025)
- Base historic years (2018 – 2020)

Device Types:

- Memory IC (6)
- Microcomponent IC (6)
- Logic IC (4)
- Analog IC (5)
- Discrete (4)
- Optical semiconductor (4)
- Sensors & actuators (1)

Note: a number in parentheses represents the number of unique sub-level device types or sub-level vehicle applications

Vehicle Applications:

- ADAS (10)
- Body & convenience (14)
- Chassis & safety (8)
- Infotainment (8)
- Powertrain & H/EV powertrain (10)

APPLICABLE TO

Industry Segments:

- Automotive OEMs and supply chain
- Semiconductor suppliers and manufacturers
- Semiconductor component suppliers
- Business consulting and financial firms

Persona/Function:

- Procurement
- Product development
- Business development
- Strategic planning
- Product marketing
- Business marketing

Table of Contents

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TABLE OF CONTENTS

Component device market covered

- Revenue
- Units

Vehicle application market covered

- Revenue
- Units

Supplier rank by market shares

- Overall automotive semiconductor revenue rank
- Top 10 in memory IC
- Top 10 in microcomponent IC
- Top 10 in logic IC
- Top 10 in analog IC
- Top 10 in discrete
- Top 10 in optical semiconductor
- Top 10 in sensors & actuators

Semiconductor contents per vehicle types

- Revenue by device per ICE
- Revenue by device per BEV, PHEV, FHEV, and MHEV

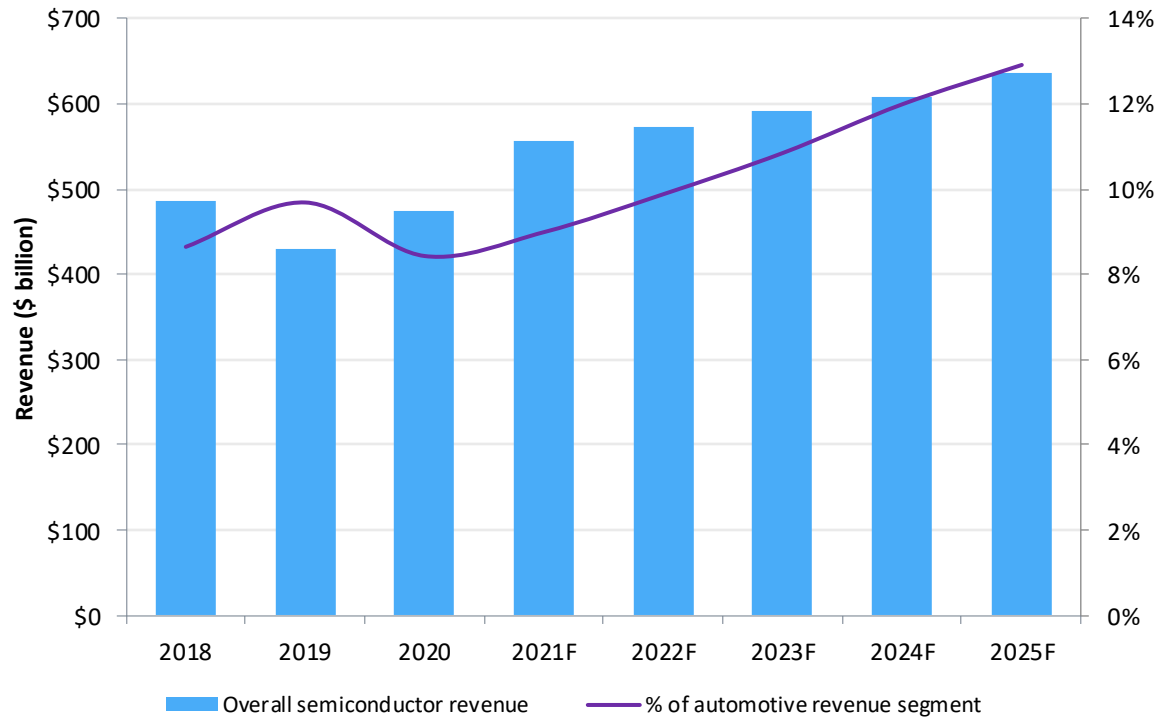
Additional table

- Device and application pivot table data
- Device, application, and vehicle type definitions

Sample Charts and Graphs

Automotive Semiconductor Market Tracker

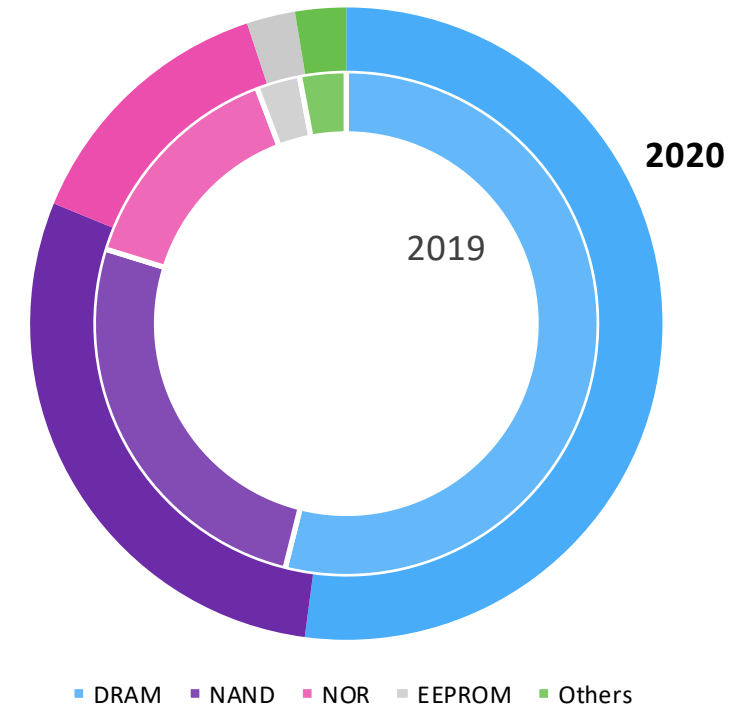
Overall Semiconductor Revenue and % of Automotive Revenue Segment



Note: sample chart used only for product overview purposes.
Source: Omdia

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2019 & 2020 Automotive Memory IC Revenue Split



Note: sample chart used only for product overview purposes.
Source: Omdia

Related Content: Semiconductor Service Area Coverage

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