



## TECHNOLOGY INTELLIGENCE SERVICE

# Automotive Semiconductor

Complete examination of the semiconductor market for automotive electronics

Real time access to a continuous flow of research across geographies, topics and application areas:

### Market Insights

Frequent analyst commentary on product launches, market news and analysis.

### Market Trackers

Historic and forecasted, delivered in Excel accompanied by written analysis.

### Analytical Database Tool

Tailored views of application equipment market data.

### Reports

Annual topical report addressing key focus areas with in-depth analysis on market and technology trends.

### Analyst Access

For prompt responses to urgent and unique questions.

## FEATURED TOPICS

- ECU domain consolidation and networking trends impacting the semiconductor market
- Domain controllers and new vehicle architecture
- Emerging semiconductor technology enabling advancements in cars
- V2X and cybersecurity in the connected car
- Roadmap of memory, processors and connectivity ICs
- Electrification
- Adjacent industry suppliers entering the automotive space

## Clients of this Intelligence Service will receive:

**Market Trackers (5)** – offers shipment forecast and revenue of around 100 electronics systems along with complementary written analyses by domain:

- Total market (updated quarterly)
- ADAS (updated semi-annually)
- Infotainment & Telematics (updated semi-annually)
- Body & Convenience (updated annually)
- Powertrain (updated semi-annually)

**Automotive Semiconductor Market Share Analysis** – competitive analysis of 98% suppliers in the market with graphical display of market share of around 100 semiconductor suppliers including analysis by domain and by semiconductor category; updated semi-annually

**Automotive ECU Supplier Analysis** – offers detailed revenue market share analysis of top 227 automotive electronic systems suppliers by close to 45 electronic applications; updated annually

**Automotive ECU Market Database** – Shipment and revenue forecast for approximately 90 automotive electronics applications; updated annually

**Automotive Tier 1 Semiconductor Consumption database** – detailed semiconductor and sensor market spending for more than 200 suppliers, 6 domains and around 30 electronic applications, updated annually

**Relationship Mapping Database** – detailed overview of the supply chain from semiconductor suppliers to Tier 1s to Car OEMs, is based on the latest teardown analysis performed by IHS Markit; updated annually

**Automotive Electronics Roadmap Report** – provides an outlook of the changes in electronics systems and architectures in light of the requirements and challenges of the car of the future; updated annually

## Research Coverage

### Automotive Domains and Electronic Systems

#### ADAS

ADAS Domain Controller  
Camera Module  
Infrared Module  
LIDAR & Laser Module  
Radar Module  
V2X  
Other Processing ECUs

#### Body & Convenience

Central body control  
Keyless entry  
Exterior lighting  
Interior lighting  
Climate control  
Power systems

#### Infotainment & telematics

Cockpit domain controllers  
Head units  
Instrument clusters  
Telematics & connectivity  
Other IVI  
Aftermarket

#### HEV-EV

Aux Inverter  
BMS  
DCDC  
MG Inverter  
OBC  
Sound Generator

#### Powertrain

Engine management system  
Transmission system

#### Chassis & Safety

ABS  
Active suspension  
Airbag  
Electronic power steering  
Tire pressure monitoring system  
Other chassis & safety

#### Other Automotive, Trucks, Aftermarket

Semiconductor categories	Measures	Regions
Analog IC Discretes Logic IC Memory IC Microcomponent IC Optical semiconductor Sensors & Actuators	Shipments Revenues Market shares Semiconductor spending by Tier-1	Europe Greater China Japan/Korea Middle East/Africa North America South America South Asia

Market Trackers and Analytical Database Tools	Detail
<b>Automotive Semiconductor Market Tracker</b> (quarterly)	202 semiconductor categories, 32 automotive sub-domains, 95 systems
<b>ADAS Semiconductor Market Tracker</b> (semi-annual)	55 semiconductor categories 22 systems
<b>Infotainment &amp; Telematics Semiconductor Market Tracker</b> (semi-annual)	116 semiconductor categories 25 systems
<b>Body &amp; Convenience Semiconductor Market Tracker</b> (annual)	40 semiconductor categories, 16 systems
<b>Powertrain Semiconductor Market Tracker</b> (semi-annual)	46 semiconductor categories, 7 engine types, 7 transmission types, 6 HEV-EV ECU types
<b>Automotive semiconductor market share analysis</b> (semi-annual)	91 semiconductor suppliers, 7 domains, 28 semiconductor categories
<b>Automotive ECU market database</b> (annual)	6 domains, 87 systems

For more information [ihsmarket.com/technology](https://ihsmarket.com/technology)

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#### About IHS Markit

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