

Market Analysis & Forecasts



Automotive Electronic Controllers — 2017 Edition

Analysis of worldwide and regional market trends for 34 automotive electronic controllers | November 2016 | 152 Pages

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Automotive Electronic Controllers — Report Overview

Key features of the study include:

- Part of the Automotive Electronics & Entertainment Systems Service.
- Coverage of 34 automotive electronic controllers, comprising body, chassis, powertrain, safety & ADAS and security systems.
- Analysis of market trends for each system in nine geographic regions: North America, Europe, Japan, China, South Korea, India, Russia, Brazil and Rest of the World.
- Analysis of system installation rates, units and ECU ASP for each system, in each region. Base year is 2016, with forecasts to 2023.
- Automotive electronic controller supplier market share analysis in 2016.
- Highly quantitative analysis, with discussion summarized in short, easy to read bullet points.
- PDF and Excel delivery options available.

System Coverage

The report analyzes the market in units and revenues for 34 automotive electronic controllers. Factory fit (OE) systems are included; aftermarket systems are excluded. 2016 is used as the base year with forecasts to 2023.

- Smart Airbag
- Electric Power Steering
- Conventional Cruise Control
- Rear Electric Windows
- Air Conditioning
- ABS/TCS
- Rain & Light Sensors
- Automatic Transmission
- Vehicle Tracking
- Blind Spot Monitoring
- Night Vision Assist
- Center Stack Displays
- Passive Airbag
- Steer-by-wire
- Intelligent Cruise Control
- Integrated Front Safety
- Seat Electronics
- Exterior Solid State Lighting
- Electronic Stability Control
- Tire Pressure Warning
- Keyless Entry
- Head-up Display
- Electric Parking Brake
- Electro-hydraulic Steering
- Electronic Suspension
- Front Door Electronics
- Electronic Instrument Clusters
- Smart Junction Boxes
- Other Body Electronics
- Brake-by-wire
- Engine Control & Ignition
- Alarms/Immobilizers
- Passive Park Assist
- Autonomous Park Assist

Regional Analysis

For each system, regional breakdowns in terms of region of vehicle production are presented as follows:

- North America
- Europe
- Japan
- China
- South Korea
- India
- Russia
- Brazil
- Rest of the World

Market Metrics

Further segmentation is provided by region, by system type, as follows:

- Installation Rate
- Units Installed
- ECU ASP (\$)
- Revenues (\$)

Additional System Analysis

For each of the following systems, additional analysis of the market is presented as follows:

- **Exterior solid state lighting** into: central high mount LED stop lamp, LED daytime running lamp, LED headlamps, other LED exterior lighting.
- **Autonomous park assist** into: standard, smartphone/smartwatch, valet parking.
- **Passive park assist** into: basic systems, advanced systems.
- **Automatic transmission** into: stepped automatic, CVT/EVT, other.
- **Light vehicle production by propulsion type** into: gasoline, diesel, electric vehicle.
- **Light vehicle production** into: conventional combustion, start-stop hybrid, full hybrid/plug-in hybrid, electric vehicle.
- **Keyless entry by system type** into: active entry, passive entry.

Example Table

An example table taken from the report showing the format used to present the market forecasts is shown below.

World Market for Autonomous Park Assist by Region

Region	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	CAGR (16/23)	DIFF (16-23)	SUM (16>23)
North America													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Europe													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Japan													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
China													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
South Korea													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
India													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Russia													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Brazil													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Rest of the World													
Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
World Installation Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
World Units Installed /KU	0	0	0	0	0	0	0	0	0	0	-	0	0
World ECU ASP /\$	0	0	0	0	0	0	0	0	0	0	-	0	0
World Revenues /\$m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0
Year-on-year Growth	-	-	-	-	-	-	-	-	-	-	-	-	-

Table of Contents

Section 1 — Executive Overview

Key Point Conclusions

Section 2 — Scope & Method

2.1 Scope, Content & Definitions

2.2 Research Method

2.3 Automotive Electronics & Entertainment Systems Service

Section 3 — Global & Regional Light

Vehicle Production Forecast

Section 4 — Global Market for

Automotive Electronic Controllers

— Market Summary

Section 5 — Body Systems

Section 6 — Chassis Systems

Section 7 — Powertrain Systems

Section 8 — Safety & ADAS Systems

Section 9 — Security Systems

Section 10 — Global Market for

Automotive Electronic Controllers

— Regional Summary

Section 11 — Automotive Electronic

Controllers 2016 Worldwide Supplier

Market Share Estimates

Appendix 1 — Historical Market

Forecasts

Appendix 2 — Automotive Electronic

Controllers List of Suppliers

List of Tables

Table 1.1 Automotive Electronic Controllers Worldwide Revenue Summary by System

Table 1.2 Automotive Electronic Controllers Worldwide Unit Summary by System

Table 1.3 Automotive Electronic Controllers Worldwide Revenue Summary by Region

Table 1.4 Worldwide Market Share Estimates for Suppliers of Automotive Electronic Controllers in 2016

Table 2.1 Regional Definitions

Table 2.2 System Definitions

Table 3.1 World Light Vehicle Production Forecast by Region

Table 3.2 Light Vehicle Production Forecast in Brazil, Russia, India & China

Table 4.1 Automotive Electronic Controllers Worldwide Unit Summary by System

Table 4.2 Automotive Electronic Controllers Worldwide Revenue Summary by System

Table 4.3 Automotive Electronic Controllers Worldwide Installation Rate Summary by System

Table 5.1 World Market for Air Conditioning by Region

Table 5.2 World Market for Rain & Light Sensors by Region

Table 5.3 World Market for Conventional Cruise Control by Region

Table 5.4 World Market for Front Door Electronics by Region

Table 5.5 World Market for Rear Electric Windows by Region

Table 5.6 World Market for Seat Electronics by Region

Table 5.7 World Market for Electronic Instrument Clusters by Region

Table 5.8 World Market for Center Stack Displays by Region

Table 5.9 World Market for Electric Parking Brake by Region

Table 5.10 World Market for Smart Junction Boxes by Region

Table 5.11 World Market for Exterior Solid State Lighting by Region

Table 5.12 Regional Trends for Exterior Solid State Lighting by Light Location

Table 5.13 World Market for Passive Park Assist by Region

Table 5.14 Regional Trends for Passive Park Assist by System Type

Table 5.15 World Market for Other Body Electronics by Region

Table 6.1 World Market for Electro-hydraulic Power Steering by Region

Table 6.2 World Market for Electric Power Steering by Region

Table 6.3 World Market for Steer-by-wire by Region

Table 6.4 World Market for Electronic Suspension by Region

Table 7.1 World Market for Automatic Transmission by Region

Table 7.2 Regional Trends for Automatic Transmissions by Transmission Type

Table 7.3 World Market for Engine Control & Ignition by Region

Table 7.4 Regional Trends for Light Vehicle Production by Propulsion Type

Table 7.5 Regional Trends for Hybrid Vehicle & Electric Vehicle Production

Table 8.1 World Market for Smart Airbags by Region

Table 8.2 World Market for Passive Airbags by Region

Table 8.3 World Market for Intelligent Cruise Control by Region

Table 8.4 World Market for Integrated Front Safety by Region

Table 8.5 World Market for Autonomous Park Assist by Region

Table 8.6 Regional Trends for Autonomous Park Assist by System Type

Table 8.7 World Market for Tire Pressure Warning by Region

Table 8.8 World Market for Blind Spot Monitoring by Region

Table 8.9 World Market for Head-Up Display by Region

Table 8.10 World Market for Night Vision Assist by Region

Table 8.11 World Market for ABS/TCS by Region

Table 8.12 World Market for Electronic Stability Control by Region

Table 8.13 World Market for Brake-by-wire by Region

Table 9.1 World Market for Alarms/ Immobilizers by Region

Table 9.2 World Market for Keyless Entry by Region

Table 9.3 Regional Trends for Keyless Entry by System Type

Table 9.4 World Market for Vehicle Tracking by Region

Table 10.1 Automotive Electronic Controllers Worldwide Revenue Summary by Region

Table 10.2 North American Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.3 North American Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.4 European Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.5 European Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.6 Japanese Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.7 Japanese Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.8 Chinese Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.9 Chinese Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.10 South Korean Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.11 South Korean Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.12 Indian Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.13 Indian Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.14 Russian Market for Automotive Electronic Controllers Revenue Summary by System

Automotive Electronic Controllers — 2017 Edition

Market Analysis and Forecasts to 2023 | November 2016

Table 10.15 Russian Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.16 Brazilian Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.17 Brazilian Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 10.18 Rest of the World Market for Automotive Electronic Controllers Revenue Summary by System

Table 10.19 Rest of the World Market for Automotive Electronic Controllers Installation Rate Summary by System

Table 11.1 Worldwide Market Share Estimates for Suppliers of Automotive Electronic Controllers in 2016

Table 11.2 Worldwide Market Share Estimates for Suppliers of Body & Security Electronics in 2016

Table 11.3 Worldwide Market Share Estimates for Suppliers of Chassis Electronics in 2016

Table 11.4 Worldwide Market Share Estimates for Suppliers of Powertrain Electronics in 2016

Table 11.5 Worldwide Market Share Estimates for Suppliers of Safety Electronics in 2016

Table 11.6 Worldwide Market Share Estimates for Suppliers of ADAS Electronics in 2016

Table AP 1.1 Automotive Electronic Controllers - Worldwide Revenue Summary by System (October 2015 Forecast)

Table AP 1.2 Automotive Electronic Controllers - Worldwide Revenue Summary by System (October 2014 Forecast)

Table AP 1.3 Automotive Electronic Controllers - Worldwide Revenue Summary by System (October 2013 Forecast)

Table AP 1.4 Automotive Electronic Controllers - Worldwide Revenue Summary by System (October 2012 Forecast)

Table AP 1.5 Automotive Electronic Controllers - Worldwide Revenue Summary by System (October 2011 Forecast)

Table AP 1.6 Automotive Electronic Controllers - Worldwide Revenue Summary by System (September 2010 Forecast)

Table AP 1.7 Automotive Electronic Controllers - Worldwide Revenue Summary by System (September 2009 Forecast)

Table AP 1.8 Automotive Electronic Controllers - Worldwide Revenue Summary by System (September 2007 Forecast)

Table AP 2.1 List of Automotive Electronic Controller Suppliers

Figure 2 Global Light Vehicle Production by Region

Figure 3 Light Vehicle Production in the BRIC Countries

Figure 4 Light Vehicle Production in the BRIC Countries vs. Other Regions

Figure 5 Automotive Electronic Controllers Unit Summary by Main System Type

Figure 6 Automotive Electronic Controllers Revenue Summary by Main System Type

Figure 7 Installation Rates for Exterior Solid State Lighting by Light Type

Figure 8 Park Assist Unit Shipments by System Type

Figure 9 Electric Steering Shipments by System Type

Figure 10 Automatic Transmission Shipments by Transmission Type

Figure 11 Light Vehicle Production by Propulsion Type

Figure 12 Hybrid Vehicle & Electric Vehicle Production

Figure 13 Airbag System Shipments by System Type

Figure 14 Cruise Control & Integrated Front Safety - Unit Shipments by System Type

Figure 15 Autonomous Park Assist by System Type

Figure 16 Braking System Shipments by System Type

Figure 17 Keyless Entry System Shipments by System Type

Figure 18 Automotive Electronic Controllers — Revenue Summary by Region

Figure 19 Automotive Electronic Controllers — Average Electronic Content Per Light Vehicle by Region

List of Figures

Figure 1 Automotive Electronic Controllers Comparisons with Historical Revenue Forecasts

Analyst Biography

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Colin joined Semicast Research in 2006 and is principal analyst for semiconductor research and vice president of business development. Prior to joining Semicast, he worked for 12 years at IMS Research, rising to the position of Senior Research Director of its Semiconductor Research Group and responsible for analyst coverage on the analog/mixed signal, optoelectronic and embedded processing industries. Colin also set-up and established IMS Research's Automotive Electronics Group. During his tenure, Colin authored dozens of reports and became a well respected industry analyst. He holds a B.S. in Electronic Engineering from Aston University, England and has more than twenty years of experience as an industry analyst.

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