

# **Automotive Embedded System Market by Vehicle, Electric Vehicle, Type, Component (Sensors, MCU, Transceivers, and Memory Devices), Application (Infotainment & Telematics, Body Electronics, and Safety & Security) and Region - Global Forecast to 2022**

<https://marketpublishers.com/r/AEA91062963EN.html>

Date: August 2017

Pages: 163

Price: US\$ 5,650.00 (Single User License)

ID: AEA91062963EN

## **Abstracts**

“Growing demand for vehicle electrification and electric vehicles is set to drive the automotive embedded system market”

The global automotive embedded system market is estimated to be USD 5.15 billion in 2017 and is projected to reach USD 7.41 billion by 2022, at a CAGR of 7.56%. Government regulations regarding emissions and increased fuel efficiency have led to the increased demand for electric vehicles. The efficient electrical system facilitates optimum distribution of power to various parts of a vehicle and increases the overall efficiency of the vehicle, resulting in decreased emissions, increased safety, and accuracy. These benefits will help to drive the demand for vehicle electrification and consequently the automotive embedded system market. However, the processing of an electronic system requires high level of software algorithms, which results in high battery consumption and increased usage of processor space. The embedded electronic systems consists of sensors for data processing and power supply for operating the functions. These factors can act as restraints for the growth of this market.

“Embedded Software: The fastest growing segment in the automotive embedded system market, by type“

The embedded software is estimated to be the fastest growing market of the automotive

embedded system market, by type. The main purpose of embedded software is to communicate autonomously with other devices. The software content has been increasing day by day in the advanced applications of the vehicle. Increasing demand for human machine interface in the vehicle helps to drive the automotive embedded software market.

“Passenger cars: The fastest growing segment in the automotive embedded system market”

The passenger car segment is estimated to be the fastest growing segment of the automotive embedded system market, by vehicle type. This can be attributed to the introduction of advanced automated and safety features in passenger cars. These features have driven the growth of the automotive embedded system market for passenger cars.

“Asia-Pacific: The fastest growing region in the automotive embedded system market”

The Asia-Pacific region is estimated to dominate the automotive embedded system market and is projected to grow at the highest CAGR during the forecast period. The market growth in this region can be attributed to the improving socio-economic conditions in emerging economies such as China and India. Increasing demand for electric vehicles has also driven the automotive embedded system market in the region.

The study contains insights of various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type— Tier 1- 45% Tier 2 - 35%, Others - 20%

By Designation— C level - 35%, D level - 25%, Others - 40%

By Region— North America - 40%, Europe - 30%, Asia-Pacific - 25%, RoW - 5%

Major players profiled in the report are:

Robert Bosch GmbH (Germany)

Panasonic Corporation (Japan)

Continental AG (Germany)

Toshiba Corporation (Japan)

Denso Corporation (Japan)

Mitsubishi Electric Corporation (Japan)

Delphi Automotive PLC (U.K.)

Texas Instruments (U.S.)

Harman International (U.S.)

NXP Semiconductors (Netherlands)

Johnson Electric Holdings Limited (Hong Kong)

#### Research Coverage:

The report segments the automotive embedded system market and forecasts its size, by volume and value, on the basis of region (Asia-Pacific, Europe, North America, and RoW), application type (infotainment & telematics, body electronics, powertrain & chassis control, and safety & security), component type (sensors, microcontrollers, transceivers, and memory devices), electric vehicle type (BEV, HEV, and PHEV), vehicle type (passenger cars and commercial vehicles), and type (embedded hardware and embedded software).

The report also provides a comprehensive review of market drivers, restraints, opportunities, and challenges in the global automotive embedded system market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets

#### Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market by providing them the closest approximations of the revenue numbers for the overall automotive embedded system market and their subsegments. This report will help stakeholders to

better understand the competitor landscape and gain insights to better position their businesses and make suitable go-to-market strategies. The report also helps the stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY EXCHANGE RATES
- 1.5 PACKAGE SIZE
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- 2.2 SECONDARY DATA
  - 2.2.1 KEY SECONDARY SOURCES
  - 2.2.2 KEY DATA FROM SECONDARY SOURCES
- 2.3 PRIMARY DATA
  - 2.3.1 PRIMARY PARTICIPANTS
- 2.4 FACTOR ANALYSIS
  - 2.4.1 INTRODUCTION
  - 2.4.2 DEMAND-SIDE ANALYSIS
    - 2.4.2.1 Growing demand for battery electric vehicles
    - 2.4.2.2 Growth in luxury vehicle sales
  - 2.4.3 SUPPLY-SIDE ANALYSIS
    - 2.4.3.1 Technological advancements in the automotive industry
    - 2.4.3.2 Stringent emission and fuel economy standards
- 2.5 MARKET SIZE ESTIMATION
- 2.6 DATA TRIANGULATION
- 2.7 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE AUTOMOTIVE EMBEDDED SYSTEM MARKET

- 4.2 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY REGION, 2017 & 2022
- 4.3 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2017 & 2022
- 4.4 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COMPONENT MARKET, 2017 & 2022
- 4.5 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY VEHICLE TYPE, 2017 & 2022
- 4.6 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY TYPE, 2017 & 2022
- 4.7 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY ELECTRIC VEHICLE TYPE, 2017 & 2022

## **5 MARKET OVERVIEW**

### 5.1 INTRODUCTION

### 5.2 MARKET SEGMENTATION

### 5.3 MARKET DYNAMICS

#### 5.3.1 DRIVERS

- 5.3.1.1 Growing demand for electric vehicles
- 5.3.1.2 Increasing demand for advanced safety, comfort, and convenience systems
- 5.3.1.3 Rising trend of vehicle electrification

#### 5.3.2 RESTRAINTS

- 5.3.2.1 High power consumption
- 5.3.2.2 Short life span of electronics systems

#### 5.3.3 OPPORTUNITIES

- 5.3.3.1 Advent of autonomous vehicles
- 5.3.3.2 Increasing awareness about vehicle security

#### 5.3.4 CHALLENGES

- 5.3.4.1 Trade-off between cost and quality
- 5.3.4.2 Risk of cyberattacks

## **6 INDUSTRY TRENDS**

### 6.1 INTRODUCTION

### 6.2 ROLE OF REGULATORY AUTHORITIES IN FUTURE EMBEDDED SYSTEMS

### 6.3 ROLE OF CYBERSECURITY

### 6.4 CLOUD COMPUTING FOR AUTOMOTIVE EMBEDDED SYSTEMS

### 6.5 EMBEDDED MRAM

## **7 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY TYPE**

### 7.1 INTRODUCTION

7.2 EMBEDDED HARDWARE

7.3 EMBEDDED SOFTWARE

## **8 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COMPONENT**

8.1 INTRODUCTION

8.2 SENSORS

8.2.1 TEMPERATURE SENSORS

8.2.2 PRESSURE SENSORS

8.2.3 IMAGE SENSORS

8.2.4 RADAR SENSORS

8.2.5 LIDAR SENSORS

8.3 MICROCONTROLLERS (MCU)

8.4 TRANSCEIVERS

8.5 MEMORY DEVICES

## **9 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY VEHICLE TYPE**

9.1 INTRODUCTION

9.2 PASSENGER CARS

9.3 COMMERCIAL VEHICLES

## **10 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY ELECTRIC VEHICLE**

10.1 INTRODUCTION

10.2 BATTERY ELECTRIC VEHICLE (BEV)

10.3 HYBRID ELECTRIC VEHICLE (HEV)

10.4 PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

## **11 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION**

11.1 INTRODUCTION

11.2 INFOTAINMENT & TELEMATICS

11.3 BODY ELECTRONICS

11.4 POWERTRAIN & CHASSIS CONTROL

11.4.1 AUTOMATIC TRANSMISSION

11.4.2 ELECTRIC POWER STEERING

11.4.3 ACTIVE SUSPENSION

11.5 SAFETY & SECURITY

- 11.5.1 ADAS
- 11.5.2 ELECTRONIC BRAKE SYSTEM
  - 11.5.2.1 Antilock brake system (ABS)
  - 11.5.2.2 Electronic stability control (ESC)
  - 11.5.2.3 Traction control system (TCS)
- 11.5.3 AIRBAGS

## **12 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY REGION**

- 12.1 INTRODUCTION
- 12.2 ASIA-PACIFIC
  - 12.2.1 CHINA
  - 12.2.2 INDIA
  - 12.2.3 JAPAN
  - 12.2.4 SOUTH KOREA
- 12.3 EUROPE
  - 12.3.1 FRANCE
  - 12.3.2 GERMANY
  - 12.3.3 ITALY
  - 12.3.4 SPAIN
  - 12.3.5 U.K.
- 12.4 NORTH AMERICA
  - 12.4.1 CANADA
  - 12.4.2 MEXICO
  - 12.4.3 U.S.
- 12.5 REST OF THE WORLD (ROW)
  - 12.5.1 BRAZIL
  - 12.5.2 RUSSIA

## **13 COMPETITIVE LANDSCAPE**

- 13.1 INTRODUCTION
- 13.2 COMPETITIVE LEADERSHIP MAPPING
  - 13.2.1 VISIONARY LEADERS
  - 13.2.2 INNOVATORS
  - 13.2.3 DYNAMIC DIFFERENTIATORS
  - 13.2.4 EMERGING COMPANIES
- 13.3 COMPETITIVE BENCHMARKING
  - 13.3.1 STRENGTH OF PRODUCT PORTFOLIO (FOR 25 PLAYERS)



### 13.3.2 BUSINESS STRATEGY EXCELLENCE (FOR 25 PLAYERS)

## 13.4 MARKET RANKING ANALYSIS: AUTOMOTIVE EMBEDDED SYSTEM MARKET

Top companies analyzed for this study are — Verizon, Robert Bosch, Panasonic, TOSHIBA, Intel, Continental AG, DENSO, Mitsubishi Electric, Magna International, Valeo, Delphi Automotive, Texas Instruments, HELLA KGaA Hueck & Co., Infineon Technologies, HARMAN International, NXP Semiconductors, NVIDIA, Renesas Electronics, ON Semiconductor, Analog Devices, Inc., Visteon, ROHM Semiconductor, Johnson Electric, Microchip Technology Inc., Sierra Wireless

## 14 COMPANY PROFILES

(Business Overview, Strength of Product Portfolio, Business Strategy Excellence, Recent Developments)

### 14.1 ROBERT BOSCH

### 14.2 PANASONIC

### 14.3 TOSHIBA

### 14.4 CONTINENTAL AG

### 14.5 DENSO

### 14.6 MITSUBISHI ELECTRIC

### 14.7 DELPHI AUTOMOTIVE

### 14.8 TEXAS INSTRUMENTS

### 14.9 INFINEON TECHNOLOGIES

### 14.10 HARMAN INTERNATIONAL

### 14.11 NXP SEMICONDUCTORS

### 14.12 JOHNSON ELECTRIC

\*Details on Business Overview, Strength of Product Portfolio, Business Strategy Excellence, Recent Developments might not be captured in case of unlisted companies.

## 15 APPENDIX

### 15.1 KEY INSIGHTS OF INDUSTRY EXPERTS

### 15.2 DISCUSSION GUIDE

### 15.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

### 15.4 AVAILABLE CUSTOMIZATIONS

#### 15.4.1 DETAILED ANALYSIS AND PROFILING OF ADDITIONAL REGIONS (UP TO 3)

15.4.2 COMPANY INFORMATION

15.4.3 PROFILING OF ADDITIONAL MARKET PLAYERS (UP TO 3)

15.5 RELATED REPORTS

15.6 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (USD BILLION)

Table 2 ASIA-PACIFIC AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (USD BILLION)

Table 3 EUROPE AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (USD BILLION)

Table 4 NORTH AMERICA AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (USD BILLION)

Table 5 ROW AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (USD BILLION)

Table 6 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY COMPONENT, 2015–2022 (MILLION UNITS)

Table 7 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY COMPONENT, 2015–2022 (USD BILLION)

Table 8 AUTOMOTIVE EMBEDDED SYSTEM SENSORS MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 9 AUTOMOTIVE EMBEDDED SYSTEM SENSORS MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 10 AUTOMOTIVE EMBEDDED SYSTEM MCU MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 11 AUTOMOTIVE EMBEDDED SYSTEM MCU MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 12 AUTOMOTIVE EMBEDDED SYSTEM TRANSCEIVERS MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 13 AUTOMOTIVE EMBEDDED SYSTEM TRANSCEIVERS MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 14 AUTOMOTIVE EMBEDDED SYSTEM MEMORY DEVICES MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 15 AUTOMOTIVE EMBEDDED SYSTEM MEMORY DEVICES MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 16 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY VEHICLE TYPE, 2015–2022 (MILLION UNITS)

Table 17 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY VEHICLE TYPE, 2015–2022 (USD BILLION)

Table 18 PASSENGER CARS AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY

REGION, 2015–2022 (MILLION UNITS)

Table 19 PASSENGER CARS AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY REGION, 2015–2022 (USD BILLION)

Table 20 COMMERCIAL VEHICLES AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY REGION, 2015–2022 (MILLION UNITS)

Table 21 COMMERCIAL VEHICLES AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY REGION, 2015–2022 (USD BILLION)

Table 22 ELECTRIC VEHICLE AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (MILLION UNITS)

Table 23 ELECTRIC VEHICLE AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY TYPE, 2015–2022 (USD MILLION)

Table 24 BEV AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 25 BEV AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

Table 26 HEV AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 27 HEV AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

Table 28 PHEV AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 29 PHEV AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)

Table 30 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 31 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 32 INFOTAINMENT & TELEMATICS AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 33 INFOTAINMENT & TELEMATICS AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 34 BODY ELECTRONICS AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 35 BODY ELECTRONICS AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 36 POWERTRAIN & CHASSIS CONTROL AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 37 POWERTRAIN & CHASSIS CONTROL AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 38 SAFETY & SECURITY AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 39 SAFETY & SECURITY AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 40 ADAS AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 41 ADAS AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 42 ELECTRONIC BRAKE SYSTEM AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 43 ELECTRONIC BRAKE SYSTEM AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY APPLICATION, 2015–2022 (USD BILLION)

Table 44 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY REGION, 2015–2022 (MILLION UNITS)

Table 45 AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY REGION, 2015–2022 (USD BILLION)

Table 46 ASIA-PACIFIC: AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY COUNTRY, 2015–2022 (MILLION UNITS)

Table 47 ASIA-PACIFIC: AUTOMOTIVE EMBEDDED SYSTEM MARKET SIZE, BY COUNTRY, 2015–2022 (USD BILLION)

Table 48 CHINA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 49 CHINA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 50 INDIA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 51 INDIA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 52 JAPAN: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 53 JAPAN: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 54 SOUTH KOREA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 55 SOUTH KOREA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 56 EUROPE: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COUNTRY, 2015–2022 (MILLION UNITS)

Table 57 EUROPE: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COUNTRY,

2015–2022 (USD BILLION)

Table 58 FRANCE: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 59 FRANCE: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 60 GERMANY: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 61 GERMANY: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 62 ITALY: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 63 ITALY: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 64 SPAIN: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 65 SPAIN: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 66 U.K.: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 67 U.K.: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 68 NORTH AMERICA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COUNTRY, 2015–2022 (MILLION UNITS)

Table 69 NORTH AMERICA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COUNTRY, 2015–2022 (USD BILLION)

Table 70 CANADA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 71 CANADA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 72 MEXICO: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 73 MEXICO: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 74 U.S.: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (MILLION UNITS)

Table 75 U.S.: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2015–2022 (USD BILLION)

Table 76 ROW: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COUNTRY, 2015–2022 (MILLION UNITS)

Table 77 ROW: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COUNTRY,  
2015–2022 (USD BILLION)

Table 78 BRAZIL: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION,  
2015–2022 (MILLION UNITS)

Table 79 BRAZIL: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION,  
2015–2022 (USD BILLION)

Table 80 RUSSIA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION,  
2015–2022 (MILLION UNITS)

Table 81 RUSSIA: AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION,  
2015–2022 (USD BILLION)

## List Of Figures

### LIST OF FIGURES

- Figure 1 AUTOMOTIVE EMBEDDED SYSTEM MARKET SEGMENTATION
- Figure 2 RESEARCH DESIGN
- Figure 3 RESEARCH DESIGN MODEL
- Figure 4 BREAKDOWN OF PRIMARY INTERVIEWS
- Figure 5 BEV SALES DATA (2016 VS. 2017)
- Figure 6 LUXURY VEHICLE SALES DATA (2015 VS. 2016)
- Figure 7 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH
- Figure 8 KEY COUNTRIES IN THE AUTOMOTIVE EMBEDDED SYSTEM MARKET: CHINA IS EXPECTED TO BE THE FASTEST-GROWING MARKET DURING THE FORECAST PERIOD
- Figure 9 AUTOMOTIVE EMBEDDED SYSTEM MARKET (2017 & 2022), BY COMPONENT: SENSORS IS ESTIMATED TO BE THE LARGEST SEGMENT IN TERMS OF VALUE
- Figure 10 AUTOMOTIVE EMBEDDED SYSTEM MARKET (2017 & 2022), BY REGION: ASIA-PACIFIC IS PROJECTED TO WITNESS THE HIGHEST GROWTH
- Figure 11 AUTOMOTIVE EMBEDDED SYSTEM MARKET (2017 & 2022), BY APPLICATION: SAFETY & SECURITY SEGMENT TO LEAD THE MARKET IN TERMS OF VALUE
- Figure 12 AUTOMOTIVE EMBEDDED SYSTEM MARKET (2017 & 2022), BY VEHICLE TYPE: PASSENGER CARS SEGMENT TO LEAD THE MARKET IN TERMS OF VALUE
- Figure 13 AUTOMOTIVE EMBEDDED SYSTEM MARKET (2017 & 2022), BY TYPE: EMBEDDED HARDWARE TO LEAD THE MARKET IN TERMS OF VALUE
- Figure 14 AUTOMOTIVE EMBEDDED SYSTEM MARKET (2017 & 2022), BY ELECTRIC VEHICLE SEGMENT: HYBRID ELECTRIC VEHICLE SEGMENT TO LEAD THE MARKET IN TERMS OF VALUE
- Figure 15 GROWING OPPORTUNITIES IN GLOBAL AUTOMOTIVE EMBEDDED SYSTEM MARKET, 2017–2022
- Figure 16 ASIA-PACIFIC IS ESTIMATED TO WITNESS THE HIGHEST GROWTH IN TERMS OF VALUE
- Figure 17 SAFETY & SECURITY SEGMENT EXPECTED TO BE THE LARGEST SEGMENT OF THE MARKET IN TERMS OF VALUE, 2017 & 2022
- Figure 18 SENSORS IS ESTIMATED TO BE THE LARGEST SEGMENT IN BY COMPONENT SEGMENT IN TERMS OF VALUE, 2017 & 2022
- Figure 19 PASSENGER CARS TO BE THE LARGEST SEGMENT OF THE MARKET



IN TERMS OF VALUE, 2017 & 2022

Figure 20 EMBEDDED HARDWARE EXPECTED TO BE THE LARGEST SEGMENT OF THE MARKET IN TERMS OF VALUE, 2017 & 2022

Figure 21 HYBRID ELECTRIC VEHICLE PROJECTED TO BE THE LARGEST SEGMENT OF THE MARKET IN TERMS OF VALUE, 2017 & 2022

Figure 22 AUTOMOTIVE EMBEDDED SYSTEM MARKET, MARKET SEGMENTATION

Figure 23 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY TYPE

Figure 24 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COMPONENT

Figure 25 AUTOMOTIVE EMBEDDED SYSTEM, BY VEHICLE TYPE

Figure 26 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY ELECTRIC VEHICLE

Figure 27 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION

Figure 28 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY REGION

Figure 29 AUTOMOTIVE EMBEDDED SYSTEM MARKET DYNAMICS

Figure 30 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY TYPE, 2017 VS. 2022 (USD BILLION)

Figure 31 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY COMPONENT, 2017 VS. 2022 (USD BILLION)

Figure 32 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY VEHICLE TYPE, 2017 VS. 2022 (USD BILLION)

Figure 33 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY ELECTRIC VEHICLE, 2017 VS. 2022 (USD MILLION)

Figure 34 AUTOMOTIVE EMBEDDED SYSTEM MARKET, BY APPLICATION, 2017 VS. 2022 (USD BILLION)

Figure 35 AUTOMOTIVE EMBEDDED SYSTEM: REGIONAL GROWTH RATE, (2017–2022)

Figure 36 ASIA PACIFIC: AUTOMOTIVE EMBEDDED MARKET SNAPSHOT.

Figure 37 GERMANY IS ESTIMATED TO BE THE LARGEST MARKET FOR AUTOMOTIVE EMBEDDED SYSTEMS IN EUROPE, 2017 VS. 2022

Figure 38 NORTH AMERICA: MARKET SNAPSHOT

Figure 39 COMPETITIVE LEADERSHIP MAPPING: AUTOMOTIVE EMBEDDED SYSTEM MARKET

Figure 40 AUTOMOTIVE EMBEDDED SYSTEM MARKET RANKING: 2016

Figure 41 ROBERT BOSCH: COMPANY SNAPSHOT

Figure 42 PANASONIC: COMPANY SNAPSHOT

Figure 43 TOSHIBA: COMPANY SNAPSHOT

Figure 44 CONTINENTAL AG: COMPANY SNAPSHOT

Figure 45 DENSO: COMPANY SNAPSHOT

Figure 46 MITSUBISHI ELECTRIC: COMPANY SNAPSHOT

Figure 47 DELPHI AUTOMOTIVE: COMPANY SNAPSHOT

Figure 48 TEXAS INSTRUMENTS: COMPANY SNAPSHOT

Figure 49 INFINEON TECHNOLOGIES: COMPANY SNAPSHOT

Figure 50 HARMAN INTERNATIONAL: COMPANY SNAPSHOT

Figure 51 NXP SEMICONDUCTORS: COMPANY SNAPSHOT

Figure 52 JOHNSON ELECTRIC: COMPANY SNAPSHOT

## I would like to order

Product name: Automotive Embedded System Market by Vehicle, Electric Vehicle, Type, Component (Sensors, MCU, Transceivers, and Memory Devices), Application (Infotainment & Telematics, Body Electronics, and Safety & Security) and Region - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/AEA91062963EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AEA91062963EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970