

Automotive ECU Market Analysis By Application (Powertrain, Chassis Electronics, Safety & Security, Entertainment, Communication & Navigation) And Segment Forecasts To 2020

<https://marketpublishers.com/r/A0605C90E89EN.html>

Date: March 2015

Pages: 104

Price: US\$ 5,950.00 (Single User License)

ID: A0605C90E89EN

Abstracts

The global automotive ECU market is expected to reach USD 45.98 billion by 2020. Increasing expenditure on R&D in order to lower the ECU costs is expected to propel market growth over the forecast period. Stringent government regulations for advanced safety features, facilitated by low-cost ECU development are expected to fuel automotive ECU market growth. Recent development in ECU technology is oriented towards making devices more sophisticated. Proliferation of in-car infotainment systems in various segments is expected to drive the automotive ECU market through the forecast period.

Continuous growth in the number of embedded components used by automotive manufacturers has spotlighted new opportunities for suppliers. Emergence of V2V and V2I connected systems is expected to spur market growth through the forecast period.

High level of complexity due to integration of automotive domains in order to combine individual ECUs into ECU domains would pose a challenge to market growth. Growing consumer preference towards sophisticated equipment in mid-sized vehicles such as high-end communication & navigation systems is expected to yield opportunities for the automotive electronics market.

Further key findings from the study suggest:

Safety & security systems segment accounted for the majority of market share in 2013 and is further expected to generate high revenue through the forecast period. Rising

safety awareness among consumers is fueling the demand for airbags and anti-lock breaking systems across various vehicle segments.

Communication & navigation systems application segment is expected to witness high demand for automotive ECUs over the forecast period. This can be attributed to advanced features such as in-car data storage, eco-efficiency and sophisticated in-car features. Increasing emphasis on road safety with connected systems is expected to be the key growth driver for the segment.

Asia Pacific is expected to witness high growth due to rising safety installations and increased manufacturing activities. Countries such as China and Japan are expected to favorably impact regional market growth. Newly mandated warning systems for onboard diagnostics systems that help owners to monitor emissions is expected to drive the North America market.

Prominent companies operating in the automotive ECU market include Delphi, Bosch, Continental AG, Denso, TRW Automotive, Autoliv, etc. Key market participants invest heavily in R&D to offer product differentiation as well as cost-effective ECUs by building technology partnerships with other participants in the ecosystem.

For the purpose of this study, Grand View Research has segmented the global automotive ECU market on the basis of application and region:

Automotive ECU Application Outlook (Revenue, USD Billion, 2012 – 2020)

Powertrain

Chassis Electronics

Safety & Security

Entertainment

Communication & Navigation

Automotive ECU Regional Outlook (Revenue, USD Billion, 2012 – 2020)

North America

U.S.

Mexico

Europe

Germany

UK

Asia Pacific

China

India

Japan

RoW

Brazil

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope & Assumption
- 1.3. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Automotive ECU - Industry Summary and Critical Success Factors (CSFs)

CHAPTER 3. AUTOMOTIVE ECU INDUSTRY OUTLOOK

- 3.1. Market Segmentation
- 3.2. Market Size and Growth Prospects
- 3.3. Automotive ECU Value Chain Analysis
- 3.4. Automotive ECU market Dynamics
 - 3.4.1. Market Driver Analysis
 - 3.4.2. Market Restraint Analysis
- 3.5. Key Opportunities Prioritized
- 3.6. Industry Analysis - Porter's
- 3.7. Automotive ECU PESTEL Analysis, 2013

CHAPTER 4. AUTOMOTIVE RELAYS APPLICATION OUTLOOK

- 4.1. Powertrain Electronics
 - 4.1.1. Global market estimates and forecasts, 2012 – 2020
- 4.2. Chassis Electronics
 - 4.2.1. Global market estimates and forecasts, 2012 – 2020
- 4.3. Communication & Navigation Systems
 - 4.3.1. Global market estimates and forecasts, 2012 – 2020
- 4.4. Safety & Security Systems
 - 4.4.1. Global market estimates and forecasts, 2012 – 2020
- 4.5. Entertainment Systems
 - 4.5.1. Global market estimates and forecasts, 2012 – 2020

CHAPTER 5. AUTOMOTIVE ECU REGIONAL OUTLOOK

5.1. North America

5.1.1. Automotive relay market by application, 2012 – 2020

5.1.2. U.S.

5.1.2.1. Automotive ECU market by application, 2012 – 2020

5.1.3. Mexico

5.1.3.1. Automotive ECU market by application, 2012 – 2020

5.2. Europe

5.2.1. Automotive ECU market by application, 2012 – 2020

5.2.2. Germany

5.2.2.1. Automotive ECU market by application, 2012 – 2020

5.2.3. UK

5.2.3.1. Automotive ECU market by application, 2012 – 2020

5.3. Asia Pacific

5.3.1. Automotive ECU market by application, 2012 – 2020

5.3.2. China

5.3.2.1. Automotive ECU market by application, 2012 – 2020

5.3.3. India

5.3.3.1. Automotive ECU market by application, 2012 – 2020

5.3.4. Japan

5.3.4.1. Automotive ECU market by application, 2012 – 2020

5.4. RoW

5.4.1. Automotive ECU market by application, 2012 – 2020

5.4.2. Brazil

5.4.2.1. Automotive ECU market by application, 2012 – 2020

CHAPTER 6. COMPETITIVE LANDSCAPE

6.1. Altera

6.1.1 Company Overview

6.1.2 Financial Performance

6.1.3 Product Benchmarking

6.1.4 Strategic Initiatives

6.2. Atmel Corporation

6.2.1 Company Overview

6.2.2 Financial Performance

6.2.3 Product Benchmarking

6.2.4 Strategic Initiatives

6.3. Audiovox Corp.

6.3.1 Company Overview

- 6.3.2 Financial Performance
- 6.3.3 Product Benchmarking
- 6.3.4 Strategic Initiatives
- 6.4. Avago Technologies
 - 6.4.1 Company Overview
 - 6.4.2 Financial Performance
 - 6.4.3 Product Benchmarking
 - 6.4.4 Strategic Initiatives
- 6.5. Bosch Group
 - 6.5.1 Company Overview
 - 6.5.2 Financial Performance
 - 6.5.3 Product Benchmarking
 - 6.5.4 Strategic Initiatives
- 6.6. Continental AG
 - 6.6.1 Company Overview
 - 6.6.2 Financial Performance
 - 6.6.3 Product Benchmarking
 - 6.6.4 Strategic Initiatives
- 6.7. Delphi Automotive
 - 6.7.1 Company Overview
 - 6.7.2 Financial Performance
 - 6.7.3 Product Benchmarking
 - 6.7.4 Strategic Initiatives
- 6.8. Denso Corp.
 - 6.8.1 Company Overview
 - 6.8.2 Financial Performance
 - 6.8.3 Product Benchmarking
 - 6.8.4 Strategic Initiatives
- 6.9. Dow Corning
 - 6.9.1 Company Overview
 - 6.9.2 Financial Performance
 - 6.9.3 Product Benchmarking
 - 6.9.4 Strategic Initiatives
- 6.10. Hitachi Automotive
 - 6.10.1 Company Overview
 - 6.10.2 Financial Performance
 - 6.10.3 Product Benchmarking
 - 6.10.4 Strategic Initiatives
- 6.11. Infineon Technologies

- 6.11.1 Company Overview
- 6.11.2 Financial Performance
- 6.11.3 Product Benchmarking
- 6.11.4 Strategic Initiatives
- 6.12. Panasonic
 - 6.12.1 Company Overview
 - 6.12.2 Financial Performance
 - 6.12.3 Product Benchmarking
 - 6.12.4 Strategic Initiatives
- 6.13. Texas Instruments
 - 6.13.1 Company Overview
 - 6.13.2 Financial Performance
 - 6.13.3 Product Benchmarking
 - 6.13.4 Strategic Initiatives
- 6.14. TRW Automotive
 - 6.14.1 Company Overview
 - 6.14.2 Financial Performance
 - 6.14.3 Product Benchmarking
 - 6.14.4 Strategic Initiatives
- 6.15. Wipro
 - 6.15.1 Company Overview
 - 6.15.2 Financial Performance
 - 6.15.3 Product Benchmarking
 - 6.15.4 Strategic Initiatives

List Of Tables

LIST OF TABLES

1. Automotive ECU – Industry Summary & Critical Success Factors (CSFs)
2. Global automotive ECU market (USD Billion), 2012 - 2020
3. Global automotive ECU market by region (USD Billion), 2012 – 2020
4. Global automotive ECU market by application (USD Billion), 2012 – 2020
5. Global powertrain electronics demand (USD Billion), 2012 – 2020
6. Global powertrain electronics demand by region (USD Billion), 2012 – 2020
7. Global safety & security systems demand (USD Billion), 2012 – 2020
8. Global safety & security systems demand by region (USD Billion), 2012 – 2020
9. Global entertainment systems demand (USD Billion), 2012 – 2020
10. Global entertainment systems demand by region (USD Billion), 2012 – 2020
11. Global communication & navigation systems demand (USD Billion), 2012 – 2020
12. Global communication & navigation systems demand by region (USD Billion), 2012 – 2020
13. Global chassis electronics demand (USD Billion), 2012 – 2020
14. Global chassis electronics demand by region (USD Billion), 2012 – 2020
15. North America automotive ECU market by application (USD Billion), 2012 – 2020
16. Europe automotive ECU market by application (USD Billion), 2012 – 2020
17. Asia Pacific automotive ECU market by application (USD Billion), 2012 – 2020
18. RoW automotive ECU market by application (USD Billion), 2012 – 2020

List Of Figures

LIST OF FIGURES

1. Automotive ECU Market Segmentation
2. Global automotive ECU market (USD Billion), 2012 - 2020
3. Automotive ECU value chain analysis
4. Automotive ECU market dynamics
5. Automotive ECU - Company market share analysis, 2013
6. Key Opportunities Prioritized
7. Industry Analysis - Porter's
8. Automotive ECU PESTEL Analysis, 2013
9. Automotive ECU market share by application, 2013 & 2020
10. Global powertrain electronics demand (USD Billion), 2012 – 2020
11. Global safety & security systems demand (USD Billion), 2012 – 2020
12. Global entertainment systems demand (USD Billion), 2012 – 2020
13. Global communication & navigation systems demand (USD Billion), 2012 – 2020
14. Global chassis electronics demand (USD Billion), 2012 – 2020
15. Automotive ECU market share by region, 2013 & 2020
16. North America automotive ECU market, by application (USD Billion), 2012 – 2020
17. Europe automotive ECU market, by application (USD Billion), 2012 – 2020
18. Asia Pacific automotive ECU market, by application (USD Billion), 2012 – 2020
19. RoW automotive ECU market, by application (USD Billion), 2012 – 2020

I would like to order

Product name: Automotive ECU Market Analysis By Application (Powertrain, Chassis Electronics, Safety & Security, Entertainment, Communication & Navigation) And Segment Forecasts To 2020

Product link: <https://marketpublishers.com/r/A0605C90E89EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A0605C90E89EN.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