

ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET FORECAST 2018-2026

https://marketpublishers.com/r/A89D92F27EBEN.html

Date: May 2018

Pages: 85

Price: US\$ 1,250.00 (Single User License)

ID: A89D92F27EBEN

Abstracts

KEY FINDINGS

The Asia-Pacific automotive semiconductor market is expected to hold the biggest share of the global market by rising at a CAGR of 6.45% and generating \$xx million by the end of the forecast period of 2018-2026. As a result of various factors such as low production cost, easy availability of economic labour, lenient emission & safety norms, and government initiatives for foreign direct investments (FDIs), the region has witnessed considerable growth over the past few years.

MARKET INSIGHTS

The flourishing Chinese market is a major factor responsible for the prosperity of this region. Also, the developing economies of this region are implementing policies that are highly conducive for the global automobile manufacturers who are contemplating to shift their manufacturing units in this region. The market in this region is segmented according to the vehicle types, component, and fuel types. However, the rising costs of the vehicles might act as a restraining factor for the market.

COMPETITIVE INSIGHTS

The noted players in the market include Toshiba technologies, Sensata Technologies Holding N.V, STMicroelectronics N.V, Infineon Technologies Ag, ON Semiconductor Corporation, NXP Semiconductors N.V, and others.



Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

- 2.1. SOURCES OF DATA
 - 2.1.1. SECONDARY DATA
 - 2.1.2. PRIMARY DATA
- 2.2. TOP DOWN APPROACH
- 2.3. BOTTOM-UP APPROACH
- 2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS
- 3.2.1. ASIA-PACIFIC IS MARKET LEADER OF THE AUTOMOTIVE SEMICONDUCTOR MARKET
- 3.2.2. ANALOG IC MARKET HOLDS THE LARGEST SHARE IN TERMS OF COMPONENTS
- 3.2.3. PASSENGER CARS DOMINATES THE MARKET IN TERMS OF VEHICLE TYPE
 - 3.2.4. ELECTRIC/HYBRID FUEL TYPE IS GROWING AT A SIGNIFICANT RATE

4. MARKET DYNAMICS

- 4.1. PARENT MARKET ANALYSIS: SEMICONDUCTOR MARKET
- 4.2. ETYMOLOGY OF SEMICONDUCTOR'S
- 4.3. MARKET DEFINITION
- 4.4. DRIVERS
 - 4.4.1. GROWING SAFETY AND SECURITY NEEDS
 - 4.4.2. HIGH PRODUCTION VOLUMES OF AUTOMOBILES
- 4.4.3. INCREASING DEMAND FROM EMERGING ECONOMIES



- 4.4.4. RISING TREND OF VEHICLE ELECTRIFICATION
- 4.4.5. GROWING DEMAND FOR SAFETY, CONVENIENCE, AND COMFORT SYSTEMS
- 4.5. RESTRAINTS
- 4.5.1. HACKING AND TAMPERING OF CONTROL UNITS AND SOFTWARE
- 4.5.2. MAINTAINING BALANCE BETWEEN COST AND QUALITY OF THE PRODUCT
 - 4.5.3. RISING COST OF THE VEHICLES
- 4.6. OPPORTUNITIES
 - 4.6.1. HYBRID AND ELECTRIC VEHICLES DEMAND IS INCREASING
 - 4.6.2. EMERGENCE OF ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS)
- 4.7. CHALLENGES
 - 4.7.1. STRICT QUALITY STANDARDS
- 4.7.2. CYCLIC NATURE OF SEMICONDUCTOR INDUSTRY
- 4.7.3. EMERGENCE OF NEW CONCEPTS OF AUTONOMOUS AND CONNECTED CARS
 - 4.7.4. CONTINUOUS DEPRECIATION OF OIL PRICES

5. MARKET BY VEHICLE TYPE

- 5.1. PASSENGER CARS
- 5.2. LIGHT COMMERCIAL VEHICLES
- 5.3. HEAVY COMMERCIAL VEHICLES

6. MARKET BY COMPONENTS

- 6.1. PROCESSORS
- 6.2. ANALOG ICS
- 6.3. DISCRETE POWER DEVICES
- 6.4. SENSORS
- 6.5. MEMORY DEVICES
- 6.6. LIGHTNING DEVICES

7. MARKET BY FUEL TYPE

- 7.1. GASOLINE
- 7.2. DIESEL
- 7.3. HYBRID/ELECTRIC



8. KEY ANALYTICS

- 8.1. PORTER'S 5 FORCE MODEL
 - 8.1.1. THREAT OF NEW ENTRANTS
 - 8.1.2. THREAT OF SUBSTITUTES
 - 8.1.3. BARGAINING POWER OF BUYERS
 - 8.1.4. BARGAINING POWER OF SUPPLIERS
 - 8.1.5. INTENSITY OF COMPETITIVE RIVALRY
- 8.2. VALUE CHAIN ANALYSIS
- 8.3. KEY BUYING CRITERIA
 - 8.3.1. VALUE TO CUSTOMER
 - 8.3.2. REPUTATION OF THE SELLER/MANUFACTURER
 - 8.3.3. TIME-TO-MARKET
- 8.4. VENDOR LANDSCAPE
- 8.5. OPPORTUNITY MATRIX

9. GEOGRAPHICAL ANALYSIS

- 9.1. CHINA
- 9.2. INDIA
- 9.3. JAPAN
- 9.4. SOUTH KOREA
- 9.5. REST OF ASIA-PACIFIC

10. COMPETITIVE LANDSCAPE

- 10.1. MARKET SHARE ANALYSIS
- 10.2. COMPANY PROFILES
 - 10.2.1. ANALOG DEVICES, INC.
 - 10.2.2. INFINEON TECHNOLOGIES AG
 - 10.2.3. MELEXIS N.V.
 - 10.2.4. NXP SEMICONDUCTORS N.V.
 - 10.2.5. ON SEMICONDUCTOR CORPORATION
 - 10.2.6. RENESAS ELECTRONICS CORPORATION
 - 10.2.7. ROBERT BOSCH
 - 10.2.8. ROHM CO., LTD.
 - 10.2.9. SENSATA TECHNOLOGIES HOLDING N.V.
 - 10.2.10. STMICROELECTRONICS N.V.
 - 10.2.11. TEXAS INSTRUMENTS INCORPORATED



10.2.12. TOSHIBA CORPORATION



List Of Tables

LIST OF TABLES

TABLE 1: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY COUNTRY, 2018-2026 (IN \$ BILLION)

TABLE 2: BENEFITS & LIMITATIONS OF ELECTRIC VEHICLES

TABLE 3: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2026, (IN \$ BILLION)

TABLE 4: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY COMPONENTS, 2018-2026, (IN \$ BILLION)

TABLE 5: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY FUEL TYPE, 2018-2026, (IN \$ BILLION)

TABLE 6: OPPORTUNITY MATRIX FOR AUTOMOTIVE SEMICONDUCTOR MARKET

TABLE 7: VENDOR LANDSCAPE OF AUTOMOTIVE SEMICONDUCTOR MARKET

TABLE 8: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY COUNTRY, 2018-2026 (IN \$ BILLION)



List Of Figures

LIST OF FIGURES

FIGURE 1: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY COMPONENTS, 2017 & 2026 (IN %)

FIGURE 2: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, 2018 - 2026 (IN \$ BILLION)

FIGURE 3: END USERS OPERATING IN SEMICONDUCTOR INDUSTRY IN 2016 (IN %)

FIGURE 4: TIMELINE OF SEMICONDUCTORS

FIGURE 5: REGION-WISE SALES OF PASSENGER CARS IN 2016 (IN MILLION UNITS)

FIGURE 6: COUNTRY-WISE MOTOR VEHICLES PRODUCED IN ASEAN COUNTRIES IN 2016 (IN UNITS)

FIGURE 7: WORLDWIDE AUTOMOTIVE (CARS & COMMERCIAL VEHICLES) PRODUCTION, 2015-2020 (IN MILLION)

FIGURE 8: ELECTRIC VEHICLE PRODUCTION ACROSS KEY GEOGRAPHIES, 2013-2020 (IN UNITS)

FIGURE 9: BRENT CRUDE OIL PRICES, 2014-2019 (IN US DOLLARS PER BARREL) FIGURE 10: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY LIGHT COMMERCIAL VEHICLES, 2018-2026 (IN \$ BILLION)

FIGURE 11: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY HEAVY COMMERCIAL VEHICLES, 2018-2026 (IN \$ BILLION)

FIGURE 12: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY PROCESSORS, 2018-2026 (IN \$ BILLION)

FIGURE 13: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY ANALOG IC'S, 2018-2026 (IN \$ BILLION)

FIGURE 14: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY DISCRETE POWER DEVICES, 2018-2026 (IN \$ BILLION)

FIGURE 15: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY SENSORS, 2018-2026 (IN \$ BILLION)

FIGURE 16: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY MEMORY DEVICES, 2018-2026 (IN \$ BILLION)

FIGURE 17: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY LIGHTNING DEVICES, 2018-2026 (IN \$ BILLION)

FIGURE 18: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY GASOLINE, 2018-2026 (IN \$ BILLION)

FIGURE 19: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY DIESEL,



2018-2026 (IN \$ BILLION)

FIGURE 20: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY

ELECTRIC/HYBRID, 2018-2026 (IN \$ BILLION)

FIGURE 21: PORTER'S FIVE FORCE MODEL OF AUTOMOTIVE SEMICONDUCTOR MARKET

FIGURE 22: KEY BUYING IMPACT ANALYSIS

FIGURE 23: VALUE CHAIN ANALYSIS OF SEMICONDUCTOR MARKET

FIGURE 24: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, REGIONAL

OUTLOOK, 2017 & 2026 (IN %)

FIGURE 25: CHINA AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$ BILLION)

FIGURE 26: VEHICLE PRODUCTION IN CHINA, 2011-2015 (IN UNITS)

FIGURE 27: VEHICLE SALES IN CHINA, 2011-2015 (IN UNITS)

FIGURE 28: JAPAN AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$

BILLION)

FIGURE 29: VEHICLE PRODUCTION IN JAPAN, 2011-2015 (IN UNITS)

FIGURE 30: VEHICLE SALES IN JAPAN, 2011-2015 (IN UNITS)

FIGURE 31: INDIA AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026 (IN \$

BILLION)

FIGURE 32: VEHICLE PRODUCTION IN INDIA, 2011-2015 (IN UNITS)

FIGURE 33: VEHICLE SALES IN INDIA, 2011-2015 (IN UNITS)

FIGURE 34: SOUTH KOREA AUTOMOTIVE SEMICONDUCTOR MARKET, 2018-2026

(IN \$ BILLION)

FIGURE 35: VEHICLE PRODUCTION IN SOUTH KOREA, 2011-2015 (IN UNITS)

FIGURE 36: VEHICLE SALES IN SOUTH KOREA, 2011-2015 (IN UNITS)

FIGURE 37: REST OF ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET.

2018-2026 (IN \$ BILLION)

FIGURE 38: MARKET SHARE ANALYSIS OF KEY PLAYERS IN 2017 (%)

COMPANIES MENTIONED

- 1. ANALOG DEVICES, INC.
- 2. INFINEON TECHNOLOGIES AG
- 3. MELEXIS N.V.
- 4. NXP SEMICONDUCTORS N.V.
- 5. ON SEMICONDUCTOR CORPORATION
- 6. RENESAS ELECTRONICS CORPORATION
- 7. ROBERT BOSCH
- 8. ROHM CO., LTD.



- 9. SENSATA TECHNOLOGIES HOLDING N.V.
- 10. STMICROELECTRONICS N.V.
- 11. TEXAS INSTRUMENTS INCORPORATED
- 12. TOSHIBA CORPORATION



I would like to order

Product name: ASIA PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET FORECAST 2018-2026

Product link: https://marketpublishers.com/r/A89D92F27EBEN.html

Price: US\$ 1,250.00 (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/A89D92F27EBEN.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	
	Custumer 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