

Asia-Pacific Electronic Toll Collection Market, By Type (All Electronic Tolling & Electronic Toll Collection), By Technology (Radio Frequency Identification, Dedicated Short-Range Communication & Others), By Application, By Country, Competition, Forecast & Opportunities, 2024

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Abstracts

Asia-Pacific electronic toll collection market is projected to grow at a CAGR of around 21% during the forecast period. Electronic toll collection system is equipped with advanced technologies for the management of traffic and reducing traffic at toll plazas. These systems have already gained massive acceptance in developed economies, resulting in increasing demand in developing economies as well. Developing countries are witnessing rapid urbanization, which is boosting the demand for well-connected road network between cities and towns. Moreover, electronic toll collection or ETC provides crucial information like vehicle registration status and helps to reduce pollution, which in turn is expected to positively influence the market in coming years. However, high cost associated with the installation of these systems can emerge as a challenge for the region's electronic toll collection market.

Electronic toll collection market in the region can be segmented based on type, technology, application and country. In terms of technology, the market can be classified into radio frequency identification (RFID), dedicated short range communication and others. Among these, RFID has witnessed significant adoption due to low operational costs associated with that. On the basis of application, the market can be bifurcated into highways and urban. Highways is the dominant application segment in the market, as highways witness high traffic, requiring better management solutions.

In terms of regional analysis, the market for electronic toll collection has been segmented into Japan, China, South Korea, Australia, India and Malaysia. On account of increasing traffic congestion in India, FASTag, an electronic toll collection system based on RFID technology, was implemented by National Highways Authority of India (NHAI) in 2014. In 2017, the Ministry of Road Transportation and Highways mandated FASTag for all the new four-wheelers in the country.

Major companies operating in the region's electronic toll collection market recorded high sale volumes in the 2018 financial year and the trend is likely to continue during the forecast period. List of major players operating in the region include Kapsch Trafficcom AG, Raytheon Company, Siemens AG, Conduent Incorporated, Cubic Corporation, Thales Group, Quarterhill Inc., Transcore (Roper Technologies), Grenoble D'Electronique Et D'Automatismes (GEA) SA, Efkon GmbH, etc. Key players operating in the market are investing in innovations to earn sound returns on investments. Moreover, strategic moves such as mergers and collaborations are also helping the key players of electronic toll collection market to magnify their customer base and expand sales & distribution networks.

Years considered for this report:

Historical Years: 2014-2017

Base Year: 2018

Estimated Year: 2019

Forecast Period: 2020-2024

Objective of the Study:

To analyze and forecast Asia-Pacific electronic toll collection market size.

To classify and forecast Asia-Pacific electronic toll collection market based on type, technology, application and country.

To identify drivers and challenges for Asia-Pacific electronic toll collection market.

To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in Asia-Pacific electronic toll collection market.

To identify and analyze the profile of leading players operating in Asia-Pacific electronic toll collection market.

Some of the leading players in Asia-Pacific electronic toll collection market include Kapsch Trafficcom AG, Raytheon Company, Siemens AG, Conduent Incorporated, Cubic Corporation, Thales Group, Quarterhill Inc., Transcore (Roper Technologies), Grenobloise DElectronique Et DAutomatismes (GEA) SA, Efkon GmbH, etc.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of leading manufacturers across the region. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents were also enquired about their competitors. Through this technique, TechSci Research could include the manufacturers which could not be identified due to the limitations of secondary research. TechSci Research analyzed the product offerings, distribution channels and presence of all major players operating in electronic toll collection market in Asia-Pacific.

TechSci Research calculated Asia-Pacific electronic toll collection market by using a bottom-up approach, where data for various end-user segments was recorded and forecast for the future years. TechSci Research sourced these values from the industry experts and company representatives and externally validated through analyzing historical data of these product types and applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations and financial reports were also studied by TechSci Research.

Key Target Audience:

Electronic toll collection manufacturers, suppliers, distributors and other stakeholders

Electronic toll collection component manufacturers

Government bodies such as regulating authorities and policy makers

Organizations, forums and alliances related to electronic toll collection market

Market research and consulting firms

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as electronic toll collection manufacturers, suppliers, distributors and other stakeholders. The report would enable the stakeholders in strategizing investments and capitalizing on emerging market opportunities.

Report Scope:

In this report, Asia-Pacific electronic toll collection market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by Type:

All Electronic Tolling (AET)

Electronic Toll Collection (ETC)

Market, by Technology:

Radio Frequency Identification (RFID)

Dedicated Short-Range Communication (DSRC)

Others

Market, by Application:

Highways

Urban

Market, by Country:

Japan

China

South Korea

Australia

India

Malaysia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Asia-Pacific electronic toll collection market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. EXECUTIVE SUMMARY

4. ASIA-PACIFIC ELECTRONIC TOLL COLLECTION MARKET OUTLOOK

4.1. Market Size & Forecast

4.1.1. By Value

4.2. Market Share & Forecast

4.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

4.2.3. By Application (Highways; Urban)

4.2.4. By Country

4.2.5. By Company

4.3. Market Attractive Index

4.4. Japan Electronic Toll Collection Market Outlook

4.4.1. Market Size & Forecast

4.4.1.1. By Value

4.4.2. Market Share & Forecast

4.4.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.4.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

4.5. China Electronic Toll Collection Market Outlook

4.5.1. Market Size & Forecast

4.5.1.1. By Value

4.5.2. Market Share & Forecast

4.5.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.5.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

4.6. South Korea Electronic Toll Collection Market Outlook

4.6.1. Market Size & Forecast

4.6.1.1. By Value

4.6.2. Market Share & Forecast

4.6.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.6.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

4.7. Australia Electronic Toll Collection Market Outlook

4.7.1. Market Size & Forecast

4.7.1.1. By Value

4.7.2. Market Share & Forecast

4.7.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.7.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

4.8. India Electronic Toll Collection Market Outlook

4.8.1. Market Size & Forecast

4.8.1.1. By Value

4.8.2. Market Share & Forecast

4.8.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.8.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

4.9. Malaysia Electronic Toll Collection Market Outlook

4.9.1. Market Size & Forecast

4.9.1.1. By Value

4.9.2. Market Share & Forecast

4.9.2.1. By Type (All Electronic Tolling (AET); Electronic Toll Collection (ETC))

4.9.2.2. By Technology (Radio Frequency Identification (RFID); Dedicated Short-Range Communication (DSRC); Others)

5. MARKET DYNAMICS

5.1. Drivers

5.2. Challenges

6. MARKET TRENDS & DEVELOPMENTS

7. COMPETITIVE LANDSCAPE

7.1. Kapsch Trafficcom AG

7.2. Raytheon Company

7.3. Conduent, Inc.

7.4. Thales Group

7.5. Cubic Corporation

7.6. Siemens AG

- 7.7. Grenoble Electronique Et Automatisme (GEA) SA
- 7.8. Quarterhill Inc.
- 7.9. Transcore (Roper Technologies)
- 7.10. Efkon GmbH

8. STRATEGIC RECOMMENDATIONS

(Note: The companies list can be customized based on the client requirements.)

List Of Tables

LIST OF TABLES

Table 1. Japan Electronic Toll Collection Market Size, By Value (USD Million), 2014-2024F

Table 2. China Electronic Toll Collection Market Size, By Value (USD Million), 2014-2024F

Table 3. South Korea Electronic Toll Collection Market Size, By Value (USD Million), 2014-2024F

Table 4. Australia Electronic Toll Collection Market Size, By Value (USD Million), 2014-2024F

Table 5. India Electronic Toll Collection Market Size, By Value (USD Million), 2014-2024F

Table 6. Malaysia Electronic Toll Collection Market Size, By Value (USD Million), 2014-2024F

List Of Figures

LIST OF FIGURES

Figure 1. Is your agency free to set toll rates and discounts or are they fixed by a government authority or by contract?

Figure 2. What is/are the types of toll collection approaches currently used by your agency?

Figure 3. What major challenges face your agency regarding toll collection?

Figure 4. What changes did you implement to the existing technology?

Figure 5. When was your tolling system/equipment last upgraded?

Figure 6. Asia-Pacific Electronic Toll Collection Market Size, By Value (USD Million), 2014-2018

Figure 7. Asia-Pacific Electronic Toll Collection Market Size, By Value (USD Million), 2019E-2024F

Figure 8. Asia-Pacific Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 9. Asia-Pacific Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

Figure 10. Asia-Pacific Electronic Toll Collection Market Share, By Application, By Value, 2014-2024F

Figure 11. Asia-Pacific Electronic Toll Collection Market Share, By Country, By Value, 2014-2024F

Figure 12. Japan's Share in Asia-Pacific Electronic Toll Collection Market, By Value, 2018 & 2024F

Figure 13. Japan Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 14. Japan Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

Figure 15. China's Share in Asia-Pacific Electronic Toll Collection Market, By Value, 2018 & 2024F

Figure 16. China Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 17. China Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

Figure 18. South Korea's Share in Asia-Pacific Electronic Toll Collection Market, By Value, 2018 & 2024F

Figure 19. South Korea Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 20. South Korea Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

Figure 21. Australia's Share in Asia-Pacific Electronic Toll Collection Market, By Value, 2018 & 2024F

Figure 22. Australia Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 23. Australia Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

Figure 24. India's Share in Asia-Pacific Electronic Toll Collection Market, By Value, 2018 & 2024F

Figure 25. India Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 26. India Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

Figure 27. Malaysia's Share in Asia-Pacific Electronic Toll Collection Market, By Value, 2018 & 2024F

Figure 28. Malaysia Electronic Toll Collection Market Share, By Type, By Value, 2014-2024F

Figure 29. Malaysia Electronic Toll Collection Market Share, By Technology, By Value, 2014-2024F

COMPANIES MENTIONED

- 1.Kapsch Trafficcom AG
- 2.Raytheon Company
- 3.Conduent, Inc.
- 4.Thales Group
- 5.Cubic Corporation
- 6.Siemens AG
- 7.Grenobloise DElectronique Et DAutomatismes (GEA) SA
- 8.Quarterhill Inc.
- 9.Transcore (Roper Technologies)
- 10.Efkon GmbH

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