

Parking Management Software Market Forecasts to 2030 – Global Analysis By Type (Auto Pay Parking System, Active RFID Parking System, Robotic Parking Systems and Other Types), Solution (Software and Service), Deployment Type, Parking Site, End User and By Geography

<https://marketpublishers.com/r/P5FB67AFDC93EN.html>

Date: February 2025

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: P5FB67AFDC93EN

Abstracts

According to Statistics MRC, the Global Parking Management Software Market is accounted for \$3.63 billion in 2024 and is expected to reach \$7.47 billion by 2030 growing at a CAGR of 12.8% during the forecast period. Parking management software is a digital solution designed to optimize and streamline parking operations for businesses, municipalities, and property owners. It makes it possible to process payments, manage enforcement, monitor spaces in real time, and make automated parking reservations. Through the integration of technologies like mobile apps, IoT-based sensors, and license plate recognition, the software improves user experience, decreases traffic, and increases efficiency. Moreover, parking management software is an essential part of contemporary urban infrastructure since the demand for smart parking solutions is growing due to urbanization and the number of vehicles on the road.

According to the National Parking Association (NPA), efficient parking management systems can increase parking revenue by 20-30% by optimizing space utilization, reducing operational costs, enhancing customer experience, implementing dynamic pricing, and enabling data-driven decisions.

Market Dynamics:

Driver:

Increasing traffic jams and urbanization

Vehicle ownership is on the rise in cities due to rapid urbanization, which is causing traffic congestion and a severe parking shortage. Due to their inability to handle the growing demand, traditional parking systems lead to inefficiencies like lengthy parking searches, traffic jams, and illegal parking. Parking management software directs cars to the closest open spots, optimizing space usage and easing traffic. It also gives real-time data on available spaces. Additionally, smart parking solutions are becoming more and more popular among private parking operators and municipalities as urban populations rise in an effort to improve urban planning and mobility.

Restraint:

Expensive initial outlay and ongoing maintenance

A parking management systems implementation necessitates a large initial investment in hardware infrastructure, IoT sensors, surveillance systems, software development, and payment processing units. The financial load is further increased by recurring costs like cybersecurity, software upgrades, and system maintenance. Furthermore, it can be challenging for low-income housing complexes, small businesses, and municipalities with tight budgets to set aside money for the implementation of sophisticated parking management systems. Cost is still a significant barrier, especially in developing nations where conventional parking techniques are still favored.

Opportunity:

Growing need for AI-powered and cloud-based parking solutions

Parking management is being revolutionized by the move towards cloud-based platforms and analytics powered by artificial intelligence. Cloud solutions provide real-time monitoring, scalability, remote accessibility, and smooth integration with a range of parking infrastructures. Predictive analytics driven by AI, dynamic pricing models, and automated enforcement systems improve revenue generation and operational effectiveness. Additionally, the adoption of cloud-based parking solutions by businesses and local governments leads to lower infrastructure costs, enhanced security, and easier system updates, creating a substantial market for software developers.

Threat:

High levels of pricing pressure and market competition

The market for parking management software is very competitive, with many well-known companies, new businesses, and tech companies providing a wide range of options. The low-cost or freemium models offered by numerous new competitors put pressure on premium service providers' prices. Furthermore, cost is frequently given precedence over sophisticated features by businesses and municipalities, which results in price wars and lower profit margins for software developers. Companies must constantly innovate and differentiate their offerings while sticking to reasonable pricing strategies if they want to remain competitive.

Covid-19 Impact:

The COVID-19 pandemic had a mixed effect on the parking management software market. At first, lockdowns, less travel, and the temporary closure of shopping malls, airports, and commercial buildings caused demand to drop. Due to decreased parking revenues brought on by the decline in vehicle movement, companies and municipalities were compelled to postpone investments in intelligent parking systems. To improve safety and hygiene, the pandemic also sped up the adoption of digital and contactless payment systems, increasing demand for automated, cloud-based, and touch less parking systems. Moreover, the need for effective parking management, social distancing strategies, and mobility optimization as cities reopened increased demand for AI-driven, IoT-enabled, and cashless parking systems, setting up the market for long-term growth and a robust post-pandemic recovery.

The cloud-based segment is expected to be the largest during the forecast period

The cloud-based segment is expected to account for the largest market share during the forecast period. The flexibility, scalability, and remote accessibility provided by cloud-based solutions are the reasons for this dominance. Without requiring large on-site hardware investments, they allow for seamless updates, real-time data management, and integration with different parking infrastructures. Advanced features that improve user experience and operational efficiency, like real-time monitoring, dynamic pricing, and analytics, are also supported by cloud-based systems. Additionally, operators seeking effective and economical parking management also favor cloud-based solutions because of the ability to centrally manage numerous parking locations.

The residential segment is expected to have the highest CAGR during the forecast

period

Over the forecast period, the residential segment is predicted to witness the highest growth rate. The growing use of smart parking solutions in apartment buildings to improve security, maximize available space, and give residents convenient parking experiences is what's causing this growth. Residential parking management is changing as a result of the incorporation of cutting-edge technologies like mobile parking applications, automated access control systems, and sensors enabled by the Internet of Things. Furthermore, the need for effective residential parking solutions is anticipated to grow as urbanization and high-density housing developments continue, which will greatly aid in the market's expansion.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, driven by a high degree of urbanization, sophisticated technology infrastructure, and a robust need for smart city solutions. Automated and contactless parking management systems are now widely used in major cities, airports, shopping malls, and commercial complexes owing to the region's early adoption of IoT, cloud-based systems, and AI-driven solutions. North America's leading market share is also a result of government programs encouraging the growth of smart cities and the rising demand for effective urban mobility solutions.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR because of the region's growing use of advanced technologies, smart city development, and fast urbanization. In order to handle expanding car populations and make the most of scarce parking spaces, automated parking solutions are becoming more and more necessary, with cities like China, India, and Japan setting the standard. The adoption of IoT-based, cloud-connected parking systems is being fueled by the region's substantial investments in smart transportation systems, infrastructure modernization, and government programs aimed at improving urban mobility and reducing traffic. Additionally, the market's growth in this vibrant area is also aided by growing disposable incomes and an emphasis on making cities more livable.

Key players in the market

Some of the key players in Parking Management Software market include IBM

Corporation, ParkHub, Xerox Corporation, Amano Corporation, Swarco AG, T2 Systems, Bosch Group, SecurePark Technologies, ParkMobile (Easyparkgroup), Flowbird Group, Skidata (Kudelski Group) and ValetEZ.

Key Developments:

In December 2024, Xerox Holdings Corporation announced it has agreed to acquire Lexmark International, Inc., from Ninestar Corporation, PAG Asia Capital, and Shanghai Shouda Investment Centre in a deal valued at \$1.5 billion, inclusive of assumed liabilities. This acquisition will strengthen the Xerox core print portfolio and build a broader global print and managed print services business better suited to meet the evolving needs of clients in the hybrid workplace.

In July 2024, IBM announced that it has secured a five-year contract with \$26 million in initial funding from the U.S. Agency for International Development (USAID) to support its Cybersecurity Protection and Response (CPR) program aimed to expand and enhance the agency's cybersecurity response support for host governments in the Europe and Eurasia (E&E) region.

In March 2024, ParkHub announced an agreement to combine businesses with JustPark, one of the UK's leading app-based parking reservations technology and payments platforms. The combination creates a full-service parking software and payments solution for customers across North America and the United Kingdom.

Types Covered:

Auto Pay Parking System

Active RFID Parking System

Robotic Parking Systems

Other Types

Solutions Covered:

Software

Service

Deployment Types Covered:

Cloud-based

On-premises

Parking Sites Covered:

On-street parking

Off-street parking

End Users Covered:

Commercial

Government

Transportation

Residential

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 End User Analysis
- 3.7 Emerging Markets
- 3.8 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL PARKING MANAGEMENT SOFTWARE MARKET, BY TYPE

- 5.1 Introduction
- 5.2 Auto Pay Parking System
- 5.3 Active RFID Parking System
- 5.4 Robotic Parking Systems
- 5.5 Other Types

6 GLOBAL PARKING MANAGEMENT SOFTWARE MARKET, BY SOLUTION

- 6.1 Introduction
- 6.2 Software
 - 6.2.1 Standalone Software
 - 6.2.2 Access Control
 - 6.2.3 Security and Surveillance
 - 6.2.4 Revenue Management
 - 6.2.5 Parking Reservation
 - 6.2.6 Parking Enforcement and Permit Management
 - 6.2.7 Parking Guidance Management
 - 6.2.8 Integrated Parking Management Software
 - 6.2.9 Other Softwares
- 6.3 Service
 - 6.3.1 System Integration and Deployment
 - 6.3.2 Support and Maintenance
 - 6.3.3 Consulting

7 GLOBAL PARKING MANAGEMENT SOFTWARE MARKET, BY DEPLOYMENT TYPE

- 7.1 Introduction
- 7.2 Cloud-based
- 7.3 On-premises

8 GLOBAL PARKING MANAGEMENT SOFTWARE MARKET, BY PARKING SITE

- 8.1 Introduction
- 8.2 On-street parking
- 8.3 Off-street parking

9 GLOBAL PARKING MANAGEMENT SOFTWARE MARKET, BY END USER

- 9.1 Introduction
- 9.2 Commercial
- 9.3 Government
- 9.4 Transportation
- 9.5 Residential
- 9.6 Other End Users

10 GLOBAL PARKING MANAGEMENT SOFTWARE MARKET, BY GEOGRAPHY

- 10.1 Introduction
- 10.2 North America
 - 10.2.1 US
 - 10.2.2 Canada
 - 10.2.3 Mexico
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.2 UK
 - 10.3.3 Italy
 - 10.3.4 France
 - 10.3.5 Spain
 - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
 - 10.4.1 Japan
 - 10.4.2 China
 - 10.4.3 India
 - 10.4.4 Australia
 - 10.4.5 New Zealand
 - 10.4.6 South Korea
 - 10.4.7 Rest of Asia Pacific
- 10.5 South America
 - 10.5.1 Argentina
 - 10.5.2 Brazil
 - 10.5.3 Chile
 - 10.5.4 Rest of South America
- 10.6 Middle East & Africa
 - 10.6.1 Saudi Arabia
 - 10.6.2 UAE
 - 10.6.3 Qatar

10.6.4 South Africa

10.6.5 Rest of Middle East & Africa

11 KEY DEVELOPMENTS

11.1 Agreements, Partnerships, Collaborations and Joint Ventures

11.2 Acquisitions & Mergers

11.3 New Product Launch

11.4 Expansions

11.5 Other Key Strategies

12 COMPANY PROFILING

12.1 IBM Corporation

12.2 ParkHub

12.3 Xerox Corporation

12.4 Amano Corporation

12.5 Swarco AG

12.6 T2 Systems

12.7 Bosch Group

12.8 SecurePark Technologies

12.9 ParkMobile (Easyparkgroup)

12.10 Flowbird Group

12.11 Skidata (Kudelski Group)

12.12 ValetEZ

List Of Tables

LIST OF TABLES

- 1 Global Parking Management Software Market Outlook, By Region (2022-2030) (\$MN)
- 2 Global Parking Management Software Market Outlook, By Type (2022-2030) (\$MN)
- 3 Global Parking Management Software Market Outlook, By Auto Pay Parking System (2022-2030) (\$MN)
- 4 Global Parking Management Software Market Outlook, By Active RFID Parking System (2022-2030) (\$MN)
- 5 Global Parking Management Software Market Outlook, By Robotic Parking Systems (2022-2030) (\$MN)
- 6 Global Parking Management Software Market Outlook, By Other Types (2022-2030) (\$MN)
- 7 Global Parking Management Software Market Outlook, By Solution (2022-2030) (\$MN)
- 8 Global Parking Management Software Market Outlook, By Software (2022-2030) (\$MN)
- 9 Global Parking Management Software Market Outlook, By Standalone Software (2022-2030) (\$MN)
- 10 Global Parking Management Software Market Outlook, By Access Control (2022-2030) (\$MN)
- 11 Global Parking Management Software Market Outlook, By Security and Surveillance (2022-2030) (\$MN)
- 12 Global Parking Management Software Market Outlook, By Revenue Management (2022-2030) (\$MN)
- 13 Global Parking Management Software Market Outlook, By Parking Reservation (2022-2030) (\$MN)
- 14 Global Parking Management Software Market Outlook, By Parking Enforcement and Permit Management (2022-2030) (\$MN)
- 15 Global Parking Management Software Market Outlook, By Parking Guidance Management (2022-2030) (\$MN)
- 16 Global Parking Management Software Market Outlook, By Integrated Parking Management Software (2022-2030) (\$MN)
- 17 Global Parking Management Software Market Outlook, By Other Softwares (2022-2030) (\$MN)
- 18 Global Parking Management Software Market Outlook, By Service (2022-2030) (\$MN)
- 19 Global Parking Management Software Market Outlook, By System Integration and

Deployment (2022-2030) (\$MN)

20 Global Parking Management Software Market Outlook, By Support and Maintenance (2022-2030) (\$MN)

21 Global Parking Management Software Market Outlook, By Consulting (2022-2030) (\$MN)

22 Global Parking Management Software Market Outlook, By Deployment Type (2022-2030) (\$MN)

23 Global Parking Management Software Market Outlook, By Cloud-based (2022-2030) (\$MN)

24 Global Parking Management Software Market Outlook, By On-premises (2022-2030) (\$MN)

25 Global Parking Management Software Market Outlook, By Parking Site (2022-2030) (\$MN)

26 Global Parking Management Software Market Outlook, By On-street parking (2022-2030) (\$MN)

27 Global Parking Management Software Market Outlook, By Off-street parking (2022-2030) (\$MN)

28 Global Parking Management Software Market Outlook, By End User (2022-2030) (\$MN)

29 Global Parking Management Software Market Outlook, By Commercial (2022-2030) (\$MN)

30 Global Parking Management Software Market Outlook, By Government (2022-2030) (\$MN)

31 Global Parking Management Software Market Outlook, By Transportation (2022-2030) (\$MN)

32 Global Parking Management Software Market Outlook, By Residential (2022-2030) (\$MN)

33 Global Parking Management Software Market Outlook, By Other End Users (2022-2030) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

I would like to order

Product name: Parking Management Software Market Forecasts to 2030 – Global Analysis By Type (Auto Pay Parking System, Active RFID Parking System, Robotic Parking Systems and Other Types), Solution (Software and Service), Deployment Type, Parking Site, End User and By Geography

Product link: <https://marketpublishers.com/r/P5FB67AFDC93EN.html>

Price: US\$ 4,150.00 (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/P5FB67AFDC93EN.html>