+357 96 030922
info@marketpublishers.com

Smart Curbside & Urban Kerbside Management Market Forecasts to 2034– Global Analysis By Component (Hardware, Software and Service), Solution Type, Deployment Mode, End User and By Geography

https://marketpublishers.com/r/SF8BFAC1B500EN.html
Date: May 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: SF8BFAC1B500EN

Abstracts

According to Stratistics MRC, the Global Smart Curbside & Urban Kerbside Management Market is accounted for $4.08 billion in 2026 and is expected to reach $14.15 billion by 2034 growing at a CAGR of 16.8% during the forecast period. Smart curbside and urban kerbside management systems utilize digital technologies, sensors, and real-time data analytics to optimize the use of limited curb space in urban environments. These systems manage parking, loading zones, ride-hailing, and last-mile deliveries through dynamic allocation and pricing mechanisms. By reducing congestion, improving traffic flow, and enhancing accessibility, they support efficient urban mobility. Integration with smart city infrastructure and mobile applications allows users to locate available spaces and comply with regulations. As cities grow denser, smart kerbside management becomes essential for balancing competing demands on urban streets and improving overall transportation efficiency.

Market Dynamics:

Driver:

Rapid Urbanization and Traffic Congestion

Rapid urbanization is intensifying pressure on limited curb space, as growing populations and rising vehicle ownership amplify congestion in city centers. Smart Curbside & Urban Kerbside Management provide structured allocation of parking, loading, and passenger zones through real time monitoring and dynamic pricing. These systems help reduce traffic bottlenecks, optimize vehicle flow, and improve urban mobility efficiency. Municipal authorities increasingly adopt such technologies to balance competing curb demands, enhance commuter convenience, and support

+357 96 030922
info@marketpublishers.com

sustainable transportation planning in densely populated metropolitan areas.

Restraint:

High Initial Investment and Budget Constraints

The deployment of Smart Curbside & Urban Kerbside Management requires significant upfront investment in hardware and supporting digital infrastructure. Municipal budgets, particularly in developing regions, often face constraints that limit large-scale adoption. Additionally, ongoing maintenance, system upgrades, and workforce training add to total costs. These financial barriers may delay implementation or restrict project scope. Smaller cities and local governments may hesitate to invest without clear short-term returns, thereby slowing market growth.

Opportunity:

Growth of Shared Mobility and Ride Hailing

The rapid expansion of shared mobility services and ride hailing platforms is creating new opportunities for Smart Curbside & Urban Kerbside Management. Increasing demand for pick-up and drop-off zones necessitates efficient curb allocation and real-time coordination. Advanced systems enable cities to designate dynamic curb spaces and reduce congestion caused by frequent stops. Integration with mobility platforms enhances operational efficiency and user experience. As urban transportation shifts toward shared and on-demand models, Smart Curbside & Urban Kerbside Management become essential for supporting evolving mobility ecosystems.

Threat:

Integration Challenges with Legacy Infrastructure

Integrating modern Smart Curbside & Urban Kerbside Management with existing legacy infrastructure presents a significant challenge for municipalities. Many urban areas rely on outdated traffic systems and fragmented data platforms, making seamless interoperability difficult. Compatibility issues can lead to increased implementation time, higher costs, and operational inefficiencies. Additionally, lack of standardized frameworks and technical expertise may hinder system integration. These challenges can delay adoption and reduce the effectiveness of deployed solutions, limiting their ability to deliver real time insights.

Covid-19 Impact:

The COVID-19 pandemic significantly influenced curbside management dynamics by accelerating changes in urban mobility patterns. Reduced public transport usage and increased reliance on private vehicles, delivery services, and contactless interactions heightened demand for efficient curb utilization. Cities adapted by reallocating curb space for outdoor dining, deliveries, and temporary parking zones. This shift emphasized the need for flexible, data driven curbside management systems. Post pandemic recovery continues to drive investments in smart mobility solutions, as municipalities seek to enhance resilience, improve safety, and accommodate evolving

+357 96 030922
info@marketpublishers.com

transportation behaviors.
The transportation hubs segment is expected to be the largest during the forecast period
The transportation hubs segment is expected to account for the largest market share during the forecast period, due to high concentration of passenger and vehicle movement in areas such as airports, railway stations, and bus terminals. Efficient curbside management is critical in these locations to streamline pick-ups, drop-offs, and commercial vehicle access. Advanced solutions help minimize congestion, improve passenger flow, and enhance safety. Growing investments in smart infrastructure and increasing passenger traffic further support the adoption of curbside technologies across major transportation hubs globally.
The software segment is expected to have the highest CAGR during the forecast period
Over the forecast period, the software segment is predicted to witness the highest growth rate, due to increasing demand for data driven decision making. Software platforms enable dynamic pricing, demand forecasting, and efficient curb allocation through integrated dashboards and cloud based systems. They offer scalability, flexibility, and seamless integration with existing mobility ecosystems. Continuous advancements in artificial intelligence and IoT further enhance software capabilities. As cities prioritize smart infrastructure development, the reliance on advanced software solutions is expected to grow significantly.
Region with largest share:
During the forecast period, the North America region is expected to hold the largest market share, due to early adoption of smart city initiatives. Strong presence of technology providers and increasing investments in urban mobility solutions support market growth. Cities across the region ??????? implement curbside management systems to address congestion and improve traffic efficiency. Additionally, supportive government policies and funding initiatives further encourage adoption, positioning North America as a leading market for Smart Curbside & Urban Kerbside Management.
Region with highest CAGR:
Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, owing to rapid urbanization and expanding metropolitan populations. Increasing vehicle density and rising demand for efficient traffic management solutions drive adoption. Governments in countries such as China, India, and Japan are investing in smart city projects and digital infrastructure. Growing awareness of sustainable mobility and technological advancements further accelerate market growth. The region’s dynamic urban landscape presents significant opportunities for curbside management solution providers.
Key players in the market
Some of the key players in Smart Curbside & Urban Kerbside Management Market

+357 96 030922
info@marketpublishers.com

include ParkMobile LLC, Passport Labs Inc., Flowbird Group, Conduent Inc., INRIX Inc., Streetline Inc., T2 Systems Inc., Parkopedia Ltd., SpotHero Inc., PayByPhone Technologies Inc., APCOA Parking Holdings GmbH, Siemens Mobility, Cleverciti Systems GmbH, Genetec Inc. and SKIDATA AG.

Key Developments:

In January 2026, Siemens Mobility and NEWAG strengthened their partnership through a memorandum of understanding to jointly evaluate next steps for high-speed trains in Poland, focusing on innovation, technical assessments, and supporting future 320 km/h rail projects.

In December 2025, VinSpeed and Siemens Mobility signed strategic cooperation and framework agreements to advance Vietnam's high-speed rail network, with Siemens providing Velaro Novo trains, system integration, and key technologies to deliver efficient, sustainable, and internationally standardized rail infrastructure.

Components Covered:

- Hardware
- Software
- Service

Solution Types Covered:

- Smart Parking Solutions
- Traffic Flow Management
- Loading Zone Management
- Curbside Monitoring & Enforcement

Deployment Modes Covered:

- Cloud-Based
- On-Premises

+357 96 030922
info@marketpublishers.com

End Users Covered:

- Municipalities & Local Governments
- Retail & Commercial Spaces
- Transportation Hubs

Regions Covered:

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - United Kingdom
  - Germany
  - France
  - Italy
  - Spain
  - Netherlands
  - Belgium
  - Sweden
  - Switzerland

+357 96 030922
info@marketpublishers.com

- Poland
- Rest of Europe

Asia Pacific

- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore
- Vietnam
- Rest of Asia Pacific

South America

- Brazil
- Argentina
- Colombia
- Chile
- Peru

+357 96 030922
info@marketpublishers.com

- Rest of South America
- Rest of the World (RoW)
  - Middle East
    - Saudi Arabia
    - United Arab Emirates
    - Qatar
    - Israel
    - Rest of Middle East
  - Africa
    - South Africa
    - Egypt
    - Morocco
    - Rest of 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 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

+357 96 030922
info@marketpublishers.com

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

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Note: Tables for North America, Europe, APAC, South America, and Rest of the World

+357 96 030922
info@marketpublishers.com

(RoW) are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Smart Curbside & Urban Kerbside Management Market Forecasts to 2034– Global Analysis By Component (Hardware, Software and Service), Solution Type, Deployment Mode, End User and By Geography

Product link: https://marketpublishers.com/r/SF8BFAC1B500EN.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/SF8BFAC1B500EN.html