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Micro-mobility Devices Market Forecasts to 2034 – Global Analysis By Device Type (E-scooters, E-bikes, Hoverboards, Skateboards and Segways), Propulsion, End User and By Geography

https://marketpublishers.com/r/M80C58C7FA2EEN.html
Date: April 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: M80C58C7FA2EEN

Abstracts

According to Stratistics MRC, the Global Micro-mobility Devices Market is accounted for $95.8 billion in 2026 and is expected to reach $254.7 billion by 2034 growing at a CAGR of 13.0% during the forecast period. Micro-mobility devices are compact and lightweight modes of transport intended for short trips, especially in cities. Examples include e-scooters, bicycles, electric bikes, and skateboards, which provide affordable and environmentally friendly alternatives to conventional transportation. Their adoption is increasing due to urban traffic issues, environmental awareness, and demand for efficient last-mile solutions. Integration with digital technologies like GPS and smartphone applications improves accessibility and user experience. Additionally, supportive government policies and infrastructure development, such as designated lanes, are encouraging their use. As a result, micro-mobility is becoming a key component of sustainable and efficient urban mobility ecosystems.

According to the National Association of City Transportation Officials (NACTO), people in the U.S. took 157 million shared micromobility trips in 2023, including trips on station?based bikes, dockless bikes, and scooters.

Market Dynamics:

Driver:

Demand for last-mile connectivity

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The need for effective last-mile transportation is driving the growth of micro-mobility devices. Many public transit networks do not provide door-to-door service, creating a gap between stations and destinations. Devices like e-scooters and bicycles help cover this short distance efficiently, improving the overall travel experience. They complement existing transport systems and are often available through shared services, making them easily accessible. As more people adopt integrated and multimodal commuting methods, the importance of seamless last-mile solutions increases. This growing demand is playing a crucial role in expanding the micro-mobility devices market worldwide.

Restraint:

Safety concerns and accident risks

Concerns related to safety and accidents are limiting the growth of the micro-mobility devices market. As more people use e-scooters and bicycles in busy city areas, incidents involving collisions and injuries have increased. Many users do not wear safety equipment or follow a traffic regulation, which raises the risk of accidents. Additionally, insufficient infrastructure like dedicated lanes creates unsafe conditions for riders. These challenges negatively influence public perception and reduce consumer confidence. Due to these factors, safety-related issues act as a major obstacle, slowing down the broader adoption and expansion of micro-mobility solutions in urban environments.

Opportunity:

Advancements in battery and vehicle technology

Technological progress in batteries and vehicle design is creating strong opportunities for the micro-mobility devices market. Better battery performance, faster charging, and longer life cycles improve the efficiency of electric scooters and bikes. The use of advanced materials and improved designs enhances durability and comfort for users. These innovations also help reduce maintenance expenses and increase operational efficiency for service providers. Added features such as safety enhancements and smart connectivity further improve usability. As technology continues to evolve, it expands the potential applications of micro-mobility devices and attracts a broader range of consumers, driving market growth.

Threat:

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Vandalism and theft of devices

Damage and theft of devices are significant challenges facing the micro-mobility devices market. Since shared scooters and bicycles are commonly parked in open public areas, they are prone to misuse, vandalism, and stealing. These issues lead to higher repair and replacement expenses for service providers, impacting their financial performance. Loss of devices also affects availability, which can reduce customer satisfaction and trust. Even with advanced tracking systems, completely preventing such incidents is difficult. Persistent problems with vandalism may discourage companies from expanding into certain regions, thereby restricting market growth and long-term viability.

Covid-19 Impact:

The pandemic created both challenges and opportunities for the micro-mobility devices market. Initially, strict lockdowns and travel limitations caused a significant drop in usage, affecting shared mobility services and overall demand. Operations were disrupted, and fewer people needed transportation. As restrictions gradually lifted, demand rebounded as individuals sought safer and socially distanced travel options. Micro-mobility devices such as e-scooters and bicycles became popular alternatives to public transport. Growing awareness of health, hygiene, and environmental concerns further supported adoption. This shift helped the market recover and highlighted the importance of micro-mobility in future urban transportation systems.

The e-bikes segment is expected to be the largest during the forecast period

The e-bikes segment is expected to account for the largest market share during the forecast period because of their flexibility, efficiency, and broader usability. They offer electric assistance, allowing users to travel longer distances comfortably with minimal effort. This makes them suitable for various applications, including daily commuting, logistics, and leisure activities. Compared to other devices, e-bikes cater to a wider range of users, including those seeking convenience and reduced physical strain. Their growing popularity is further supported by improved infrastructure and rising demand for sustainable transportation. These advantages position e-bikes as the leading segment within the micro-mobility market.

The shared mobility platforms segment is expected to have the highest CAGR during the forecast period

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Over the forecast period, the shared mobility platforms segment is predicted to witness the highest growth rate, driven by rising urban demand for affordable and flexible transportation. Users increasingly favor shared e-scooters, bicycles, and other devices over personal vehicle ownership. Mobile app integration, digital payments, and real-time tracking improve ease of use and accessibility. Cities and private companies are expanding shared mobility networks to alleviate traffic and encourage eco-friendly transport. The combination of urbanization, smart city development, and growing consumer preference for shared options is propelling strong growth rate for this segment, making it the fastest-growing area in the market.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, supported by rapid urban growth, well-developed infrastructure, and growing environmental consciousness. The demand for e-scooters, e-bikes, and other micro-mobility solutions is rising due to traffic congestion and the need for effective last-mile transportation. Government initiatives, investments in bike lanes, and smart city projects promote adoption. High consumer purchasing power and tech-savvy populations also drive usage. Major providers and shared mobility services operating in key cities such as New York, Los Angeles, and San Francisco further solidify the region’s dominance.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR due to rapid urban development, increasing traffic problems, and growing environmental concerns. Nations such as China, India, and Japan are increasingly using e-scooters, e-bikes, and shared mobility services to enhance last-mile transport and lower emissions. Investments in smart city infrastructure, dedicated lanes, and government support further drive adoption. Rising disposable income, technological uptake, and popularity of app-based services also fuel growth. The region’s large and growing urban population, coupled with mobility challenges, positions Asia-Pacific as the highest growth rate market for micro-mobility devices worldwide.

Key players in the market

Some of the key players in Micro-mobility Devices Market include Lime, Bird Global, Inc., Segway-Ninebot, Tier Mobility, Dott, Bolt, Beam Mobility Holdings, Spin, Yulu, Voi Technology, Helbiz, Superpedestrian, Revel Transit, GO Sharing, Accell Group,

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Airwheel Holding Ltd., Neuron Mobility and Xiaomi.

Key Developments:

In May 2025, Xiaomi and Qualcomm are marking 15 years of collaboration, a partnership that has now been solidified with a new multi-year agreement. This long-standing relationship has been instrumental in technological advancements within the industry, with both companies reaffirming their commitment to developing and delivering products across various global device categories.

In December 2023, Bird Global, Inc. announced its entry into a financial restructuring process aimed at strengthening its balance sheet and better positioning the company for long-term, sustainable growth. Bird will operate as usual during this process, maintaining the same service for its riders and upholding its commitments to partner cities, fleet managers, and employees.

Device Types Covered:

- E-scooters
- E-bikes
- Hoverboards
- Skateboards
- Segways

Propulsions Covered:

- Manual
- Electric
- Hybrid

End Users Covered:

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- Personal Ownership
- Commercial Use
- Shared Mobility Platforms

Regions Covered:

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

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- 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
- Rest of South America

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- 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)
- Strategic recommendations in key business segments based on the market

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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

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Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

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