

Autonomous Last Mile Delivery Market Report by Platform (Aerial Delivery Drones, Ground Delivery Vehicles), Solution (Hardware, Software, Services), Range (Short Range (20 Km)), Application (Logistics, Healthcare and Pharmaceutical, Food and Beverage, Retail, and Others), and Region 2024-2032

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Abstracts

The global autonomous last mile delivery market size reached US\$ 18.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 88.9 Billion by 2032, exhibiting a growth rate (CAGR) of 18.7% during 2024-2032.

Autonomous last mile delivery refers to the last phase of courier and parcel, wherein various computerized aerial and ground vehicles are used for supplying products and services at doorstep of the customer. It aids in ensuring smooth, last-mile delivery within the stipulated time without hampering the market image of the company, while eliminating human intervention, planning logistics, and monitoring the movement of goods from transport hub to destination. On account of these properties, autonomous last mile delivery is extensively used in parcel tracking, warehouses and distribution channels. At present, it is commercially categorized into varying ranges, solutions, and vehicle types, including aerial delivery drones, ground bots, and self-driving trucks and vans.

Autonomous Last Mile Delivery Market Trends:



The widespread adoption of autonomous last mile delivery solutions across various industrial verticals can be attributed to the increasing need for efficient delivery solutions to ensure a faster supply of products amongst consumers. This represents the key factor primarily driving the market growth. Additionally, the sudden outbreak of coronavirus disease (COVID-19) pandemic and the consequent implementation of mandatory lockdowns across the globe have prompted the widespread utilization of online shopping platforms for shipping of daily necessities. This, in turn, is facilitating the extensive uptake of various autonomous last mile delivery solutions for delivering goods at doorsteps, while mitigating face-to-face contact amongst individuals during the pandemic, which is acting as another major growth-inducing factor. In line with this, significant technological advancements, such as the integration of artificial intelligence (AI) and machine learning (ML) platforms with robots and drones to perform smart tracking, optimize the route, enable around clock delivery, enable smooth delivery in challenging geographies, and promote fuel efficiencies are contributing to the market. Other factors, such as significant expansion in the e-commerce industry and strategic collaborations amongst key players to introduce advanced delivery solutions to meet the rising consumer demand for fast delivery of packages and the changing dynamics of urban commercial deliveries, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global autonomous last mile delivery market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on platform, solution, range and application.

Breakup by Platform:

Aerial Delivery Drones
Cargo Drone
Delivery Drone
Ground Delivery Vehicles
Delivery Robots
Autonomous and Self-Driving Vans and Trucks

Breakup by Solution:

Hardware Software Services



Breakup by Range:
Short Range (Long Range (> 20 Km)
Breakup by Application:
Logistics Healthcare and Pharmaceutical Food and Beverage Retail Others
Breakup by Region:
North America United States Canada
Asia-Pacific China
Japan India South Korea
Australia Indonesia
Others Europe
Germany France
United Kingdom Italy
Spain Russia
Others Latin America
Brazil Mexico Othors
Others Middle East and Africa



Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Amazon.com Inc., Continental AG, DHL (Deutsche Post AG), DPDgroup (La Poste), Drone Delivery Canada, Flytrex Inc., Matternet, Relay Robotics Inc., Robby Technologies Inc., SkyDrop, ST Engineering Aethon Inc., Starship Technologies and Udelv Inc.

Key Questions Answered in This Report

- 1. What was the size of the global autonomous last mile delivery market in 2023?
- 2. What is the expected growth rate of the global autonomous last mile delivery market during 2024-2032?
- 3. What are the key factors driving the global autonomous last mile delivery market?
- 4. What has been the impact of COVID-19 on the global autonomous last mile delivery market?
- 5. What is the breakup of the global autonomous last mile delivery market based on the platform?
- 6. What is the breakup of the global autonomous last mile delivery market based on the solution?
- 7. What is the breakup of the global autonomous last mile delivery market based on the range?
- 8. What is the breakup of the global autonomous last mile delivery market based on the application?
- 9. What are the key regions in the global autonomous last mile delivery market?
- 10. Who are the key players/companies in the global autonomous last mile delivery market?



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