

Small Satellite Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Small Satellite Market was valued at USD 6.9 billion in 2024 and is expected to grow at a robust CAGR of 16.4% between 2025 and 2034, driven by an increasing number of space launches and expanding applications across various industries. As space becomes more accessible, companies and government agencies worldwide are heavily investing in advanced satellite technologies to enhance communications, earth observation, navigation, and scientific research. The small satellite segment, in particular, is gaining immense traction due to its cost-effectiveness, versatility, and ability to provide high-quality data in real-time.

These satellites are smaller, lighter, and quicker to deploy compared to traditional large satellites, making them highly suitable for commercial, defense, and scientific purposes. The growing trend of satellite constellations, where multiple small satellites work together to offer global coverage, is further pushing the boundaries of what small satellites can achieve. The market is also benefiting from continuous improvements in satellite design, miniaturization of components, and advancements in launch technologies, which together are making satellite deployment more affordable and efficient. As companies look to leverage satellite data for applications like the Internet of Things (IoT), smart agriculture, disaster management, and climate monitoring, the demand for small satellites is projected to accelerate significantly in the coming years. In terms of orbit type, Low Earth Orbit (LEO) satellites dominated the market in 2024, accounting for USD 5.7 billion in value. LEO remains the preferred choice for satellite deployment due to its proximity to Earth, which ensures faster data transmission, reduced latency, and lower launch costs. The popularity of LEO satellites is fueled by their critical role in modern communication networks, earth observation, and remote sensing services. They are essential for supporting broadband connectivity in remote regions, enhancing global communications, and facilitating real-time monitoring of environmental changes, urban development, and maritime activities. The push for

global connectivity, particularly in underserved areas, has led to increased satellite launches in LEO, marking it as a key contributor to the industry's growth. Among the various applications, Earth observation emerged as a leading segment, generating USD 1.5 billion in revenue in 2024. The heightened demand for high-resolution imagery and real-time data collection to monitor environmental changes, manage agricultural practices, and respond to natural disasters is fueling this segment's growth. Small satellites are increasingly used to gather precise, up-to-date information crucial for industries ranging from agriculture and forestry to defense and urban planning. Their ability to provide timely, actionable insights has made them indispensable for governments and private organizations seeking advanced monitoring capabilities.

The U.S. Small Satellite Market alone was valued at USD 4.5 billion in 2024, cementing its position as a dominant player in the global landscape. The country's dynamic space sector, fueled by both private enterprises and government initiatives, continues to lead in satellite innovation and deployment. With rising investments in defense, communication, and scientific exploration, the U.S. market is poised for sustained expansion, reinforcing its leadership in the rapidly evolving small satellite arena.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definitions
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
 - 1.3.1 Base year calculation
 - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
 - 1.5.2 Data mining sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Growing number of launch activity in space
 - 3.2.1.2 Technological advancements in small satellite and rocket propulsion
 - 3.2.1.3 Proliferation of private space companies in R&D and satellite launches
 - 3.2.1.4 Increasing prevalence of LEO satellites
 - 3.2.1.5 Rising demand for satellite-based services
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.2.1 Shortage of small satellite dedicated launch vehicle
 - 3.2.2.2 Lack of standard regulations for small satellites
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
- 3.5 Technology landscape
- 3.6 Future market trends
- 3.7 Gap analysis
- 3.8 Porter's analysis

- 3.9 PESTEL analysis
- 3.10 Component analysis
 - 3.10.1 Satellite bus
 - 3.10.2 Payload
 - 3.10.3 Power system
 - 3.10.4 Propulsion system

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive analysis of major market players
- 4.4 Competitive positioning matrix
- 4.5 Strategy dashboard

CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY SATELLITE TYPE, 2021 - 2034 (\$ MN)

- 5.1 Key trends
- 5.2 Pico-satellite (Less than 1 Kg)
- 5.3 NanoSats (1–10 kg)
- 5.4 MicroSats (11–100 kg)
- 5.5 MiniSats (100-500 KG)

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY ORBIT, 2021 - 2034 (\$ MN)

- 6.1 Key trends
- 6.2 Low earth orbit (LEO)
- 6.3 Medium earth orbit (MEO)
- 6.4 Geostationary orbit (GEO)
- 6.5 Others

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY APPLICATION, 2021 - 2034 (\$ MN)

- 7.1 Key trends
- 7.2 Earth observation
- 7.3 Communication

- 7.4 Technology development
- 7.5 Space research
- 7.6 Navigation
- 7.7 Others

CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY FREQUENCY, 2021 - 2034 (\$ MN)

- 8.1 Key trends
- 8.2 L-Band
- 8.3 S-Band
- 8.4 C-Band
- 8.5 X-Band
- 8.6 Ku-Band
- 8.7 Ka-Band
- 8.8 Q/V-Band

CHAPTER 9 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 - 2034 (\$ MN)

- 9.1 Key trends
- 9.2 Commercial
 - 9.2.1 Telecommunication
 - 9.2.2 Transportation & logistics
 - 9.2.3 Media & entertainment
 - 9.2.4 Others
- 9.3 Military & defense
- 9.4 Government (Law enforcement & homeland security)
- 9.5 Universities

CHAPTER 10 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 - 2034 (\$ MN)

- 10.1 Key trends
- 10.2 North America
 - 10.2.1 U.S.
 - 10.2.2 Canada
- 10.3 Europe
 - 10.3.1 Germany

- 10.3.2 UK
- 10.3.3 France
- 10.3.4 Spain
- 10.3.5 Italy
- 10.3.6 Netherlands
- 10.4 Asia Pacific
 - 10.4.1 China
 - 10.4.2 India
 - 10.4.3 Japan
 - 10.4.4 Australia
 - 10.4.5 South Korea
- 10.5 Latin America
 - 10.5.1 Brazil
 - 10.5.2 Mexico
 - 10.5.3 Argentina
- 10.6 Middle East and Africa
 - 10.6.1 Saudi Arabia
 - 10.6.2 South Africa
 - 10.6.3 UAE

CHAPTER 11 COMPANY PROFILES

- 11.1 AAC Clyde Space
- 11.2 Airbus SE
- 11.3 Apex
- 11.4 Blue Canyon Technologies
- 11.5 GomSpace
- 11.6 Lockheed Martin Corporation
- 11.7 NanoAvionics
- 11.8 Nara Space
- 11.9 Northrop Grumman
- 11.10 OHB SE
- 11.11 Planet Labs PBC
- 11.12 Rocket Lab USA
- 11.13 SNC
- 11.14 SpaceX
- 11.15 Spire Global
- 11.16 Surrey Satellite Technology Ltd
- 11.17 SWISSto12

11.18 Thales

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