

US LEO and GEO Satellite Market Size study, by Orbit Type (Low Earth Orbit. Geostationary Earth Orbit) by Application (Telecommunication, Earth & space observation, Scientific research, Navigation, Others) By End-Use (Commercial, Government & Military, Others) Forecasts 2022-2032

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Abstracts

US LEO and GEO Satellite Market is valued approximately USD 3.65 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 15.14 % over the forecast period 2024-2032. LEO satellites normally orbit the planet at relatively low altitudes, between 160 and 2,000 kilometers (100 and 1,200 miles) above its surface. They usually finish their orbit around the Earth in between 90 minutes and two hours, which is not too long. The orbit of GEO satellites is substantially higher, roughly 35,786 kilometers (22,236 miles) above the equator of the planet. They are able to stay fixed in relation to a particular location on the Earth's surface because they orbit at the same speed as the planet's rotation. Companies such as SpaceX (Starlink), and Amazon (Project Kuiper), are deploying large constellations of small satellites in LEO to provide global broadband internet coverage. These constellations can consist of thousands of satellites, significantly increasing the number of operational satellites in LEO. Furthermore, the rise of private launch service providers such as SpaceX, Rocket Lab, and others has increased the availability and reduced the cost of launching satellites. This has enabled more frequent and flexible launch opportunities for LEO satellites. These trends further drive demand for the US LEO and GEO Satellite Market.

Private investment and new business models are significantly driving demand for the US LEO and GEO Satellite Market. Companies such as SpaceX, and Amazon, are investing heavily in mega-constellations aimed at providing global broadband coverage.

These private investments reduce reliance on government funding and stimulate rapid technological advancements and cost reductions. Innovative business models, such as satellite-as-a-service (SaaS) and flexible leasing options, attract a diverse range of customers, from startups to established enterprises, further expanding market demand. Private firms are enhancing capabilities with high-throughput satellites (HTS) and flexible payload designs, supported by significant capital investments. These developments enable more efficient and cost-effective services, such as high-speed internet and global broadcasting. Together, these private sector dynamics and innovative business strategies are key drivers of growth and demand in the US LEO and GEO Satellite Market. However, high launch and manufacturing costs of satellites stifle market growth between 2022 and 2032.

Major market player included in this report are:

Qualcomm Inc

Texas Instruments

The Boeing Company

Lockheed Martin Corporation

L3 Harris Corporation

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Orbit Type

Low Earth Orbit

Geostationary Earth Orbit

By Application

Telecommunication

Earth & space observation

Scientific research

Navigation

Others

By End-Use

Commercial

Government & Military

Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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