

High-throughput Satellite Market by Type (Payload, Structure, Power System, Attitude Control System, Propulsion System), Application (Broadband, Mobility, Enterprise, Government, Cellular Backhaul, Broadcast), and Region 2023-2028

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Abstracts

The global high-throughput satellite market size reached US\$ 9.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 30.9 Billion by 2028, exhibiting a growth rate (CAGR) of 20.80% during 2023-2028.

High-throughput satellite (HTS) refers to a type of satellite with a higher capacity of the orbital spectrum, which reduces the cost per bit significantly. HTS is enabled by the spot beam technology that enables the re-use of frequencies across multiple narrow-focused spot beams. With these satellites, a high level of frequency re-use is ensured with spot beams that cover smaller regions and provide separate signals, thus allowing for higher spectral efficiency and speed. They provide several advantages, including improved security, scalability, and reliability, along with minimal network latency. As a result, these satellites are instrumental in providing extensive capacity for data transfers in broadband services.

High-throughput Satellite Market Trends:

The market is majorly driven by a considerable rise in the utilization of high-throughput satellite constellations in a wide range of end-use industries, such as IT and ITES, military and defense, and telecommunication. This can be attributed to the increasing adoption of satellite communication in the Internet of Things (IoT) for improved connectivity framework. In addition to this, numerous product innovations, including VSAT, satcom-on-the-move, and satcom-on-the-pause, are providing an impetus to the market. Moreover, rapid digitization resulting in a higher demand for internet bandwidth

is also acting as a significant growth-inducing factor for the market. Besides this, the rising popularity of cloud-based gaming, media streaming, and networking that require faster data transfer are impacting the market positively. Apart from this, the escalating demand for in-flight mobile connectivity is resulting in a higher uptake of high-throughput satellites. Furthermore, continual technological advancements in satellite networks for internet penetration in remote regions are creating a positive outlook for the market. Some of the other factors bolstering the market growth include the advent of high-speed 5G network, rapid urbanization and industrialization, and extensive research and development (R&D) activities conducted by key players.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global high-throughput satellite market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

- Payload
- Structure
- Power System
- Attitude Control System
- Propulsion System

Breakup by Application:

- Broadband
- Mobility
- Enterprise
- Government
- Cellular Backhaul
- Broadcast

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
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 Hughes Network Systems LLC (EchoStar Corporation), Thales Alenia Space (Thales Group, Leonardo S.p.A.) and The Boeing Company. Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global high-throughput satellite market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global high-throughput satellite market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global high-throughput satellite market and who are the key players?

What is the degree of competition in the industry?

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