

5G From Space Market By Component (Hardware, Software) , By Application (Enhanced Mobile Broadband (EMBB) , Ultra-Reliable Low Latency (URLLC) , Massive Machine Type Communication (MMTC)) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

5G From Space Market

The 5G from space market was valued at \$315.8 million in 2023 and is projected to reach \$4221.0 million by 2033, growing at a CAGR of 30% from 2024 to 2033.

5G from space involves the delivery of the latest fifth-generation (5G) wireless network connectivity through space-based infrastructure. Elements such as low earth orbit satellites and geostationary satellites are primarily used to provide ultra-fast internet speeds, low latency, and reliable connections for several devices & applications. The usage of space technologies ensures seamless mobile connectivity for users across the globe.

Increase in the adoption of smartphones, particularly in the underserved and remote areas of the globe is augmenting the growth of the 5G from space market due to surge in demand for uninterrupted connectivity. In addition, the utility of the Internet of Things-based devices in several industries such as agriculture, logistics, and healthcare fuels the requirement for a wide-coverage network, thereby propelling the development of the market. A prominent trend acquiring traction in the market is deploying spatial devices to work in tandem with the 5G infrastructure on the earth. This hybrid approach helps to prevent redundancy and improve the reliability of 5G network.

However, the capital-intensive nature of the spatial infrastructure for mobile connectivity prevents the entry of small players into the competitive market. This restrains the growth of the 5G from space market significantly. Moreover, increase in the number of satellites in space has increased concerns pertaining to debris and collisions. This has resulted in the prevalence of various operational challenges and the implementation of stringent regulations that hamper the market growth significantly. On the contrary, the ability of 5G networks to boost productivity and increase the efficiency of different businesses has made it a crucial element of the global economy. According to a blog by Wealth Formula—an online audio and video media company—the 5G technology is estimated to contribute around \$1.3 trillion to the global economy. This is projected to surge investments in its infrastructure and open present lucrative opportunities for the 5G from space market.

Segment Review

The 5G from space market is segmented into component, application, and region. On the basis of component, the market is bifurcated into hardware and software. Depending on application, it is divided into enhanced mobile broadband (EMBB), ultra-reliable low latency (URLLC), and massive machine type communication (MMTC). Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of component, the hardware segment held a high share of the market in 2023.

Depending on application, the enhanced mobile broadband (EMBB) segment was the highest shareholder in 2023.

Region wise, North America was the highest revenue generator in 2023.

Competition Analysis

The major players in the global 5G from space market include SES SA, Qualcomm Technologies, Eutelsat OneWeb, Boeing, Space X, Lockheed Martin Corporation, Ericsson, Omni Space, Rhode & Schwarz, Lynk Global, Echostar Corporation, China Aerospace Science & Technology Corporation, China Satellite Network Group Company Limited, Thales Alenia Space, Gilat Satellite Networks, Sateliot, Keysight

Technologies Inc., Telesat, Kepler Communications, Anritsu, Fossa Systems, Amazon Kuiper, OQ technology, AST Space Mobile, Nelco, Gatehouse, and ZTE Corporation. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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New Product Development/ Product Matrix of Key Players

Additional company profiles with specific to client's interest

Market share analysis of players at global/region/country level

Key Market Segments

By Component

Hardware

Software

By Application

Enhanced Mobile Broadband (EMBB)

Ultra-Reliable Low Latency (URLLC)

Massive Machine Type Communication (MMTC)

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Russia

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Thailand

Malaysia

Indonesia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

UAE

Argentina

Rest of LAMEA

Key Market Players

SES SA.

Qualcomm Technologies

Eutelsat OneWeb

Boeing

Space X

Lockheed Martin Corporation

Ericsson

Omni space

Rhode & Schwarz

Lynk Global

Echostar Corporation

China Aerospace Science & Technology Corporation

China Satellite Network Group Company Limited

Thales Alenia Space

Gilat Satellite Networks

Sateliot

Keysight Technologies Inc.

Telesat

Kepler Communications

Anritsu

Fossa Systems

Amazon Kuiper

OQ technology

AST Space Mobile

Nelco

Gatehouse

ZTE Corporation

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