

Global Satellite Internet Market - 2025 -2032

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Abstracts

Global Satellite Internet Market reached US\$ 13.12 billion in 2024 and is expected to reach US\$ 47.59 billion by 2032, growing with a CAGR of 17.67% during the forecast period 2025-2032.

As of early 2025, over 5 million users globally were connected to low-Earth orbit (LEO) satellite internet services, primarily driven by commercial rollouts and government-supported initiatives in rural broadband. The global satellite internet market is driven by large-scale deployments in Asia-Pacific, Africa, and parts of Latin America. North America currently accounts for close to 60% of global satellite broadband traffic, but major expansion plans across emerging regions are expected to shift that balance over the next decade. The European Union, for example, has committed over US\$11.5 billion for its satellite broadband constellation, IRIS², which will include approximately 290 satellites by 2027, aimed at both civilian connectivity and secure communications.

Satellite Internet Market Trend

A defining trend in the market is the transition from geostationary satellites to LEO systems, which offer significantly reduced latency and higher data speeds. This shift is enabling real-time connectivity for remote communities, maritime operations, and in-motion applications like aviation and emergency response. Public-sector investment is playing a larger role than in past decades, with national governments including satellite solutions in their universal broadband frameworks.

Simultaneously, the cost of end-user terminals is falling, with average hardware pricing dropping below US\$500 per unit in 2024, making adoption more accessible for households and small businesses. Satellite broadband is also gaining traction in climate-sensitive zones where terrestrial infrastructure is vulnerable to extreme weather.

Market Dynamics

Expansion of Government-Funded Rural Connectivity Programs

India's BharatNet initiative has made 166,088 Gram Panchayats "service-ready" via a mix of optical fiber and satellite links, covering around 4218 panchayats through satcom as of November 2021. In its latest phase, NBM 2.0 (2025–30) seeks to extend broadband to 270,000 villages with 95 % uptime and boost rural internet subscribers from 45 to 60 per 100 population by 2030. Meanwhile, in the US, the USDA's ReConnect Program has deployed over US\$ 1 billion since 2018 in loans and grants to bring high speed broadband—including satellite—to unserved rural areas and tribal lands.

Orbital Congestion and Satellite Collision Risk

Orbital congestion is increasingly limiting the satellite internet market. As of April 2025, over 40,230 trackable objects orbit Earth—comprising around 11,000 functional satellites and the remainder space debris—cluttering key LEO bands. Starlink alone executed approximately 50,000 collision-avoidance maneuvers between December 2023 and May 2024, nearly doubling the prior six-month period, underscoring both operational strain and rising costs

Segment Analysis

The global satellite internet market is segmented based on orbit type, frequency band, download speed, end-user and region.

Low Earth Orbit (LEO) Segment Driving Satellite Internet Market

The Low Earth Orbit (LEO) segment is revolutionizing the satellite internet market with unprecedented scale and deployment speed. SpaceX's Starlink currently operates over 7,900 satellites in LEO, accounting for roughly 65% of all active spacecraft and serving more than 6 million global subscribers, with projected revenue of nearly US \$11.8 billion in 2025.

Meanwhile, Amazon's Project Kuiper has begun rolling out its own LEO network—deploying 54 satellites via two Atlas V launches by late June 2025—with plans for a total of 3,236 satellites, and must place at least half that by July 2026 under its FCC license. These massive LEO constellations are meeting urgent demand for low latency, high bandwidth internet in remote and under served regions, driving substantial

public funding and regulatory support for LEO-fueled connectivity projects across North America and beyond.

Geographical Penetration

North America Drives the Global Satellite Internet Market

The demand for satellite internet in North America—particularly in the US and Canada—has surged sharply, driven by rural broadband needs and rising capacity from LEO constellations. As of Q1 2025, North America alone accounted for approximately 2.5 million Starlink users, representing about 47% of its global subscriber base. In the US, Starlink surpassed 1.4 million subscribers by early 2024, overtaking legacy providers like

This growth is underpinned by federal initiatives such as the FCC's Rural Digital Opportunity Fund (RDOF), which offers substantial subsidies specifically for extending broadband to underconnected rural regions via satellite, spurring both household adoption and infrastructure investment.

Sustainability Analysis

The global satellite internet market is advancing sustainability through cleaner technologies and policy support. SpaceX reports a 60% reduction in launch emissions via reusable rockets (FCC filings). The US NTIA's US\$42B BEAD program supports eco-conscious broadband including satellite systems. The EU's IRIS² initiative promotes sustainable satellite constellations (European Commission, 2023). Viasat aims for net-zero emissions by 2040, per its 2023 ESG report.

Competitive Landscape

The major global players in the market include Space Exploration Technologies Corporation, Amazon.com, Inc., Viasat, Inc., SES S.A., Eutelsat Communications S.A., Intelsat S.A., Telesat Canada, Iridium Communications Inc., AST SpaceMobile, Inc., and Gilat Satellite Networks Ltd.

Key Developments

In March 2025, Airtel announced an agreement with SpaceX to bring Starlink's high-speed internet services to its customers in India. This is the first agreement

to be signed in India, which is subject to SpaceX receiving its authorizations to sell Starlink in India. It enables Airtel and SpaceX to further explore how Starlink can complement and expand Airtel's offerings, and how Airtel's expertise in the Indian market complements SpaceX's direct offerings to consumers and businesses.

In June 2025, Kazakhstan has signed an agreement with Starlink to begin official satellite terminal sales starting Q3 2025, aiming to boost nationwide internet access. With its vast and remote regions, the country seeks to overcome persistent connectivity challenges.

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Contents

1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Objective and Scope of the Report

2. DEFINITION AND OVERVIEW

3. EXECUTIVE SUMMARY

- 3.1. Snippet by Orbit Type
- 3.2. Snippet by Frequency Band
- 3.3. Snippet by Download Speed
- 3.4. Snippet by End-User
- 3.5. Snippet by Region

4. DYNAMICS

- 4.1. Impacting Factors
 - 4.1.1. Drivers
 - 4.1.1.1. Expansion of Government-Funded Rural Connectivity Programs
 - 4.1.2. Restraints
 - 4.1.2.1. Orbital Congestion and Satellite Collision Risk
 - 4.1.3. Opportunity
 - 4.1.4. Impact Analysis

5. INDUSTRY ANALYSIS

- 5.1. Porter's Five Force Analysis
- 5.2. Supply Chain Analysis
- 5.3. Pricing Analysis
- 5.4. Regulatory Analysis
- 5.5. Sustainability Analysis
- 5.6. Industry Trend Analysis
- 5.7. DMI Opinion

6. BY ORBIT TYPE

6.1. Introduction

6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Orbit Type

6.1.2. Market Attractiveness Index, By Orbit Type

6.2. Low Earth Orbit (LEO)*

6.2.1. Introduction

6.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

6.3. Medium Earth Orbit (MEO)

6.4. Geostationary Earth Orbit (GEO)

7. BY FREQUENCY BAND

7.1. Introduction

7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Frequency Band

7.1.2. Market Attractiveness Index, By Frequency Band

7.2. C Band*

7.2.1. Introduction

7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

7.3. L Band

7.4. Ku Band

7.5. Ka Band

7.6. X Band

8. BY DOWNLOAD SPEED

8.1. Introduction

8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Download Speed

8.1.2. Market Attractiveness Index, By Download Speed

8.2. Low Speed (100 MBPS)

9. BY END-USER

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

9.1.2. Market Attractiveness Index, By End-User

9.2. Residential *

9.2.1. Introduction

9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

9.3. Commercial

9.4. Others

10. BY REGION

10.1. Introduction

10.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region

10.1.2. Market Attractiveness Index, By Region

10.2. North America

10.2.1. Introduction

10.2.2. Key Region-Specific Dynamics

10.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Orbit Type

10.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Frequency Band

10.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Download Speed

10.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

10.2.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

10.2.7.1. US

10.2.7.2. Canada

10.2.7.3. Mexico

10.3. Europe

10.3.1. Introduction

10.3.2. Key Region-Specific Dynamics

10.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Orbit Type

10.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Frequency Band

10.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Download Speed

10.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

10.3.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

10.3.7.1. Germany

10.3.7.2. UK

10.3.7.3. France

10.3.7.4. Italy

10.3.7.5. Spain

10.3.7.6. Rest of Europe

10.4. South America

10.4.1. Introduction

10.4.2. Key Region-Specific Dynamics

10.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Orbit Type

10.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Frequency Band

10.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Download Speed

10.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

10.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

- 10.4.7.1. Brazil
- 10.4.7.2. Argentina
- 10.4.7.3. Rest of South America

10.5. Asia-Pacific

- 10.5.1. Introduction
- 10.5.2. Key Region-Specific Dynamics
- 10.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Orbit Type
- 10.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Frequency Band
- 10.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Download Speed
- 10.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User
- 10.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 10.5.7.1. China
 - 10.5.7.2. India
 - 10.5.7.3. Japan
 - 10.5.7.4. Australia
 - 10.5.7.5. Rest of Asia-Pacific

10.6. Middle East and Africa

- 10.6.1. Introduction
- 10.6.2. Key Region-Specific Dynamics
- 10.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Orbit Type
- 10.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Frequency Band
- 10.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Download Speed
- 10.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11. COMPETITIVE LANDSCAPE

- 11.1. Competitive Scenario
- 11.2. Market Positioning/Share Analysis
- 11.3. Mergers and Acquisitions Analysis

12. COMPANY PROFILES

- 12.1. Space Exploration Technologies Corporation*
 - 12.1.1. Company Overview
 - 12.1.2. Product Portfolio and Description
 - 12.1.3. Financial Overview
 - 12.1.4. Key Developments
- 12.2. Amazon.com, Inc.
- 12.3. Viasat, Inc.

- 12.4. SES S.A.
- 12.5. Eutelsat Communications S.A.
- 12.6. Intelsat S.A.
- 12.7. Telesat Canada
- 12.8. Iridium Communications Inc.
- 12.9. AST SpaceMobile, Inc.
- 12.10. Gilat Satellite Networks Ltd. (LIST NOT EXHAUSTIVE)

13. APPENDIX

- 13.1. About Us and Medium Earth Orbit (MEO)
- 13.2. Contact Us

List Of Tables

LIST OF TABLES

Table 1 Global Satellite Internet Market Value, By Orbit Type, 2024, 2028 & 2032 (US\$ Billion)

Table 2 Global Satellite Internet Market Value, By Frequency Band, 2024, 2028 & 2032 (US\$ Billion)

Table 3 Global Satellite Internet Market Value, By Download Speed, 2024, 2028 & 2032 (US\$ Billion)

Table 4 Global Satellite Internet Market Value, By End-User, 2024, 2028 & 2032 (US\$ Billion)

Table 5 Global Satellite Internet Market Value, By Region, 2024, 2028 & 2032 (US\$ Billion)

Table 6 Global Satellite Internet Market Value, By Orbit Type, 2024, 2028 & 2032 (US\$ Billion)

Table 7 Global Satellite Internet Market Value, By Orbit Type, 2023-2032 (US\$ Billion)

Table 8 Global Satellite Internet Market Value, By Frequency Band, 2024, 2028 & 2032 (US\$ Billion)

Table 9 Global Satellite Internet Market Value, By Frequency Band, 2023-2032 (US\$ Billion)

Table 10 Global Satellite Internet Market Value, By Download Speed, 2024, 2028 & 2032 (US\$ Billion)

Table 11 Global Satellite Internet Market Value, By Download Speed, 2023-2032 (US\$ Billion)

Table 12 Global Satellite Internet Market Value, By End-User, 2024, 2028 & 2032 (US\$ Billion)

Table 13 Global Satellite Internet Market Value, By End-User, 2023-2032 (US\$ Billion)

Table 14 Global Satellite Internet Market Value, By Region, 2024, 2028 & 2032 (US\$ Billion)

Table 15 Global Satellite Internet Market Value, By Region, 2023-2032 (US\$ Billion)

Table 16 North America Satellite Internet Market Value, By Orbit Type, 2023-2032 (US\$ Billion)

Table 17 North America Satellite Internet Market Value, By Frequency Band, 2023-2032 (US\$ Billion)

Table 18 North America Satellite Internet Market Value, By Download Speed, 2023-2032 (US\$ Billion)

Table 19 North America Satellite Internet Market Value, By End-User, 2023-2032 (US\$ Billion)

Table 20 North America Satellite Internet Market Value, By Country, 2023-2032 (US\$ Billion)

Table 21 Asia-Pacific Satellite Internet Market Value, By Orbit Type, 2023-2032 (US\$ Billion)

Table 22 Asia-Pacific Satellite Internet Market Value, By Frequency Band, 2023-2032 (US\$ Billion)

Table 23 Asia-Pacific Satellite Internet Market Value, By Download Speed, 2023-2032 (US\$ Billion)

Table 24 Asia-Pacific Satellite Internet Market Value, By End-User, 2023-2032 (US\$ Billion)

Table 25 Asia-Pacific Satellite Internet Market Value, By Country, 2023-2032 (US\$ Billion)

Table 26 Europe Satellite Internet Market Value, By Orbit Type, 2023-2032 (US\$ Billion)

Table 27 Europe Satellite Internet Market Value, By Frequency Band, 2023-2032 (US\$ Billion)

Table 28 Europe Satellite Internet Market Value, By Download Speed, 2023-2032 (US\$ Billion)

Table 29 Europe Satellite Internet Market Value, By End-User, 2023-2032 (US\$ Billion)

Table 30 Europe Satellite Internet Market Value, By Country, 2023-2032 (US\$ Billion)

Table 31 South America Satellite Internet Market Value, By Orbit Type, 2023-2032 (US\$ Billion)

Table 32 South America Satellite Internet Market Value, By Frequency Band, 2023-2032 (US\$ Billion)

Table 33 South America Satellite Internet Market Value, By Download Speed, 2023-2032 (US\$ Billion)

Table 34 South America Satellite Internet Market Value, By End-User, 2023-2032 (US\$ Billion)

Table 35 South America Satellite Internet Market Value, By Country, 2023-2032 (US\$ Billion)

Table 36 Middle East and Africa Satellite Internet Market Value, By Orbit Type, 2023-2032 (US\$ Billion)

Table 37 Middle East and Africa Satellite Internet Market Value, By Frequency Band, 2023-2032 (US\$ Billion)

Table 38 Middle East and Africa Satellite Internet Market Value, By Download Speed, 2023-2032 (US\$ Billion)

Table 39 Middle East and Africa Satellite Internet Market Value, By End-User, 2023-2032 (US\$ Billion)

Table 40 Middle East and Africa Satellite Internet Market Value, By Country, 2023-2032 (US\$ Billion)

Table 41 Space Exploration Technologies Corporation: Overview

Table 42 Space Exploration Technologies Corporation: Product Portfolio

Table 43 Space Exploration Technologies Corporation: Key Developments

Table 44 Amazon.com, Inc.: Overview

Table 45 Amazon.com, Inc.: Product Portfolio

Table 46 Amazon.com, Inc.: Key Developments

Table 47 Viasat, Inc.: Overview

Table 48 Viasat, Inc.: Product Portfolio

Table 49 Viasat, Inc.: Key Developments

Table 50 SES S.A.: Overview

Table 51 SES S.A.: Product Portfolio

Table 52 SES S.A.: Key Developments

Table 53 Eutelsat Communications S.A.: Overview

Table 54 Eutelsat Communications S.A.: Product Portfolio

Table 55 Eutelsat Communications S.A.: Key Developments

Table 56 Intelsat S.A.: Overview

Table 57 Intelsat S.A.: Product Portfolio

Table 58 Intelsat S.A.: Key Developments

Table 59 Telesat Canada: Overview

Table 60 Telesat Canada: Product Portfolio

Table 61 Telesat Canada: Key Developments

Table 62 Iridium Communications Inc.: Overview

Table 63 Iridium Communications Inc.: Product Portfolio

Table 64 Iridium Communications Inc.: Key Developments

Table 65 AST SpaceMobile, Inc.: Overview

Table 66 AST SpaceMobile, Inc.: Product Portfolio

Table 67 AST SpaceMobile, Inc.: Key Developments

Table 68 Gilat Satellite Networks Ltd.: Overview

Table 69 Gilat Satellite Networks Ltd.: Product Portfolio

Table 70 Gilat Satellite Networks Ltd.: Key Developments

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