

Global GPS/GNSS Smart Antennas Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global GPS/GNSS Smart Antennas market size was valued at US\$ 1517 million in 2024 and is forecast to a readjusted size of USD 2309 million by 2031 with a CAGR of 6.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

GPS/GNSS Smart Antennas are integrated devices that combine a high-sensitivity GPS/GNSS antenna and a multi-constellation GNSS receiver into a single unit, enabling precise positioning, navigation, and timing (PNT) data collection. These smart antennas receive signals from satellite systems such as GPS, GLONASS, Galileo, BeiDou, and others, and often support real-time correction methods like RTK or SBAS to enhance accuracy. By integrating the antenna and receiver, smart antennas reduce installation complexity and signal loss, offering a compact and reliable solution for use in agriculture, surveying, autonomous vehicles, GIS mapping, and industrial applications.

Increasing Demand for High-Precision GNSS: High-precision GNSS technology was in high demand across various industries, including agriculture, construction, surveying, and autonomous vehicles. These industries rely on accurate positioning and navigation data for improved efficiency and productivity.

Rise in Autonomous Vehicles: The growth of autonomous vehicles, such as self-driving cars and drones, was driving the need for high-precision GNSS antennas. These antennas are crucial for real-time, centimeter-level accuracy in navigation and obstacle

avoidance.

Precision Agriculture: Precision agriculture continued to be a significant market for high-precision GNSS antennas. Farmers and agricultural companies were using GNSS technology to optimize crop management, reduce resource consumption, and improve yields.

Multi-Constellation GNSS Receivers: GNSS receivers that can access multiple satellite constellations, including GPS, GLONASS, Galileo, and BeiDou, were becoming more popular. This multi-constellation capability enhances accuracy and reliability, especially in challenging environments.

This report is a detailed and comprehensive analysis for global GPS/GNSS Smart Antennas market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global GPS/GNSS Smart Antennas market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global GPS/GNSS Smart Antennas market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global GPS/GNSS Smart Antennas market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global GPS/GNSS Smart Antennas market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for GPS/GNSS Smart Antennas

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global GPS/GNSS Smart Antennas market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Continental Automotive, Yokowo, Tallysman, Abracon, Jc Antenna, Trimble, Speed Wireless Technology, Glead Electronics, Taoglas, Harxon, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

GPS/GNSS Smart Antennas market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Internal

External

Market segment by Application

UAV

Vehicle

Weather Monitoring

Precision Agriculture

Other

Major players covered

Continental Automotive

Yokowo

Tallysman

Abracon

Jc Antenna

Trimble

Speed Wireless Technology

Glead Electronics

Taoglas

Harxon

NoVatel

Maxtena

Suzhong Antenna

Hi-Target Navigation

Leica Geosystems

Rohde & Schwarz

Dingyao Science & Technologies

Northeast Industries

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe GPS/GNSS Smart Antennas product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of GPS/GNSS Smart Antennas, with price, sales quantity, revenue, and global market share of GPS/GNSS Smart Antennas from 2020 to 2025.

Chapter 3, the GPS/GNSS Smart Antennas competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the GPS/GNSS Smart Antennas breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and GPS/GNSS Smart Antennas market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of GPS/GNSS Smart Antennas.

Chapter 14 and 15, to describe GPS/GNSS Smart Antennas sales channel, distributors, customers, research findings and conclusion.

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