

Mobile Phone GNSS Chipset Market is likely to grow at a CAGR of 8.55% through 2032, reaching US\$ 43.3 billion

*Mobile Phone GNSS Chipset Market
Research Report By Chipset Type,
Technology, End Device, Performance
Level, Application, Regional*

IN, UNITED STATES, January 21, 2025

/EINPresswire.com/ -- The global

[Mobile Phone GNSS Chipset Market](#)

was valued at USD 20.69 billion in 2023

and is expected to grow from USD

22.46 billion in 2024 to USD 43.3 billion

by 2032, at a compound annual growth

rate (CAGR) of 8.55% during the

forecast period (2024-2032). This growth is driven by the increasing demand for location-based services, advancements in navigation technologies, and the widespread adoption of smartphones globally.



Key Drivers of Market Growth

1. **Rising Demand for Location-Based Services (LBS):** Applications such as navigation, ride-hailing, food delivery, and social media heavily rely on GNSS chipsets, driving their adoption.
2. **Smartphone Penetration:** The growing number of smartphone users worldwide is a primary factor propelling the market.
3. **Technological Advancements in GNSS:** Innovations such as dual-frequency GNSS and multi-constellation support are enhancing positioning accuracy and reliability.
4. **Integration with Emerging Technologies:** The integration of GNSS with 5G, IoT, and AI technologies is further boosting market growth.

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Key Companies in the Mobile Phone GNSS Chipset Market include

- Skyworks Solutions
- Unisoc
- STMicroelectronics
- Broadcom
- Qualcomm
- Apple
- MediaTek
- Samsung Electronics
- Infineon Technologies
- Taiyo Yuden
- TDK Corporation
- MaxLinear
- Murata Manufacturing
- Qorvo, among others

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Market Segmentation

By Component

1. Hardware: Includes GNSS chips, antennas, and modules that provide geolocation and navigation functionalities.
2. Software: Involves positioning algorithms, mapping software, and firmware upgrades.

By Technology

1. Single-Frequency GNSS Chipsets: Commonly used in low-end and mid-range smartphones for basic navigation and geolocation services.
2. Dual-Frequency GNSS Chipsets: Preferred in premium smartphones for higher accuracy and better performance in urban environments.

By Application

1. Navigation and Mapping: The largest application segment, driven by the need for precise navigation in various industries.
2. Location-Based Services (LBS): Used in applications like ride-hailing, food delivery, and social networking.
3. Gaming and Augmented Reality (AR): Growing adoption of AR games and applications that require real-time geolocation.

By End-User

1. Consumer Electronics: Dominates the market, primarily due to the widespread use of smartphones and tablets.

2. Automotive: GNSS chipsets are increasingly used in connected cars for navigation and telematics.
3. Defense and Aviation: GNSS technology is crucial for military navigation, surveillance, and aviation.

By Region

1. North America: Leads the market due to high smartphone penetration and advanced telecommunication infrastructure.
2. Asia-Pacific: Fastest-growing region, driven by the expanding consumer electronics market and increasing urbanization in countries like China and India.
3. Europe: Steady growth supported by advancements in GNSS technologies and the rollout of Galileo services.
4. Rest of the World: Emerging markets in Latin America and the Middle East are witnessing increased adoption of smartphones and GNSS technologies.

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The Mobile Phone GNSS Chipset Market is poised for substantial growth, driven by technological advancements, increasing demand for accurate navigation, and the integration of GNSS with emerging technologies like IoT and 5G. The Asia-Pacific region offers significant growth opportunities, while challenges related to signal interference and power consumption remain areas for innovation.

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