

# **Asia Pacific GNSS Chip Market Forecast to 2030 - Regional Analysis - by Device (Smartphones, Tablets, Personal Navigation Devices, In-Vehicle Systems, and Others), Application (Navigation and Location-Based Services, Mapping and Surveying, Telematics, Timing and Synchronization, and Others), and Vertical (Consumer Electronics, Automotive & Transportation, Military & Defense, Marine, and Others)**

<https://marketpublishers.com/r/A54D5D6C774AEN.html>

Date: August 2024

Pages: 141

Price: US\$ 3,550.00 (Single User License)

ID: A54D5D6C774AEN

## **Abstracts**

The Asia Pacific GNSS chip market was valued at US\$ 1,670.45 million in 2022 and is expected to reach US\$ 3,532.74 million by 2030; it is estimated to register at a CAGR of 9.8% from 2022 to 2030.

### **Rising Demand for 5G Network and High-Speed Internet Boosts Asia Pacific GNSS Chip Market**

Demand for location-based services (LBS) is increasing. High speed and lower latency of 5G enable advanced and real-time LBS applications such as enhanced navigation with turn-by-turn directions and live traffic updates; augmented reality experiences integrated with real-world locations; precise indoor positioning for shopping malls, airports, and other buildings; improved asset tracking; and fleet management solutions.

Positioning has played an essential role in enabling cellular communication to offer mobile network operators a broad range of approaches to determine each user's location with varying degrees of accuracy. Global navigation satellite system (GNSS) has been the source for accurate positioning of user devices. Many mobile network

operators have announced the deployment of 5G networks in urban areas. The Quectel L26-T module can deliver 6.8 nanosecond timing accuracy and meet stringent timing synchronization requirements with 5G networks. Thus, rising demand for 5G network and high-speed internet drives the growth of the Asia Pacific GNSS chip market.

## Asia Pacific GNSS Chip Market Overview

The Asia Pacific GNSS chip market growth is primarily attributed to the rising volume of consumer electronics equipped with navigation and positioning features. In addition, rising demand for 4G and 5G network coverage, high-speed internet, and increasing penetration and sales of wearable devices across various global economies are the key factors projected to propel the demand for GNSS chips.

The growth of the Asia Pacific GNSS chip market in Asia Pacific is due to the presence of significant manufacturers in the region. In APAC, the major consumer electronics manufacturers focus on developing innovative products that require recording locations and real-time data for tracking by using various devices such as smartphones, wearable devices, and tablets. Hence, the growing popularity of wearable devices and the ongoing technological advancements in the consumer electronics sector in APAC fuel the growth of the Asia Pacific GNSS chip market. Moreover, several companies in the region are engaged in launching satellite positioning chips. For instance, in December 2023, Airoha Technology, specializing in fixed broadband network infrastructure and advanced Artificial Intelligence of Things, launched the AG3335MA satellite positioning chip series. This series passed the AEC-Q100 Grade 2 reliability qualification tests for automotive applications. Additionally, the company successfully integrated this series of chips with its parent company, MediaTek, and its Dimensity auto platform, providing highly integrated solutions and technical testing services to automotive manufacturers worldwide.

## Asia Pacific GNSS Chip Market Revenue and Forecast to 2030 (US\$ Million)

### Asia Pacific GNSS Chip Market Segmentation

The Asia Pacific GNSS chip market is segmented based on device, application, vertical, and country.

Based on device, the Asia Pacific GNSS chip market is segmented into smartphones, tablets, personal navigation devices, in-vehicle systems, and others. The smartphones

segment held the largest share in 2022.

In terms of application, the Asia Pacific GNSS chip market is segmented into navigation and location-based services, mapping and surveying, telematics, timing and synchronization, and others. The navigation and location-based services segment held the largest share in 2022.

By vertical, the Asia Pacific GNSS chip market is segmented into consumer electronics, automotive & transportation, military & defense, marine, and others. The consumer electronics segment held the largest share in 2022.

Based on country, the Asia Pacific GNSS chip market is categorized into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific GNSS chip market in 2022.

Qualcomm Inc, Skytraq Technology Inc, Broadcom Inc, Septentrio NV, Trimble Inc, Furuno Electric Co Ltd, MediaTek Inc, STMicroelectronics NV, Skyworks Solutions Inc, and u-blox Holding AG are some of the leading companies operating in the Asia Pacific GNSS chip market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. ASIA PACIFIC GNSS CHIP MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
  - 4.3.1 List of Vendors in the Value Chain

### **5. ASIA PACIFIC GNSS CHIP MARKET – KEY MARKET DYNAMICS**

- 5.1 Asia Pacific GNSS Chip Market – Key Market Dynamics
- 5.2 Market Drivers
  - 5.2.1 Rising Demand for 5G Network and High-Speed Internet
  - 5.2.2 Growing Use of GNSS Chip in Consumer Electronic Devices
  - 5.2.3 Upsurging Need for Accuracy in Real-Time Data
- 5.3 Market Restraints
  - 5.3.1 Concerns Related to Jamming and Spoofing Attacks
  - 5.3.2 Low Accuracy of Signals in Underground and Indoor Environments
- 5.4 Market Opportunities
  - 5.4.1 Growing Use of IoT Technology in Autonomous Vehicles
  - 5.4.2 Rising Adoption of Technological Advancements such as Big Data and Augmented Reality

## 5.5 Future Trends

### 5.5.1 GNSS in UGVs and UAVs

## 5.6 Impact of Drivers and Restraints:

## 6. GNSS CHIP MARKET – ASIA PACIFIC MARKET ANALYSIS

### 6.1 Asia Pacific GNSS Chip Market Revenue (US\$ Million), 2022–2030

### 6.2 Asia Pacific GNSS Chip Market Forecast Analysis

## 7. ASIA PACIFIC GNSS CHIP MARKET ANALYSIS – BY DEVICE

### 7.1 Smartphones

#### 7.1.1 Overview

#### 7.1.2 Smartphones: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

### 7.2 Tablets

#### 7.2.1 Overview

#### 7.2.2 Tablets: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

### 7.3 Personal Navigation Devices

#### 7.3.1 Overview

#### 7.3.2 Personal Navigation Devices: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

### 7.4 In-Vehicle systems

#### 7.4.1 Overview

#### 7.4.2 In-Vehicle systems: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

### 7.5 Others

#### 7.5.1 Overview

#### 7.5.2 Others: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

## 8. ASIA PACIFIC GNSS CHIP MARKET ANALYSIS – BY APPLICATION

### 8.1 Navigation and Location-Based Services

#### 8.1.1 Overview

#### 8.1.2 Navigation and Location-Based Services: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

### 8.2 Mapping and Surveying

#### 8.2.1 Overview

8.2.2 Mapping and Surveying: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 8.3 Telematics

##### 8.3.1 Overview

8.3.2 Telematics: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 8.4 Timing and Synchronization

##### 8.4.1 Overview

8.4.2 Timing and Synchronization: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 8.5 Others

##### 8.5.1 Overview

8.5.2 Others: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

### **9. ASIA PACIFIC GNSS CHIP MARKET ANALYSIS – BY VERTICAL**

#### 9.1 Consumer Electronics

##### 9.1.1 Overview

9.1.2 Consumer Electronics: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 9.2 Automotive and Transportation

##### 9.2.1 Overview

9.2.2 Automotive and Transportation: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 9.3 Military and Defense

##### 9.3.1 Overview

9.3.2 Military and Defense: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 9.4 Marine

##### 9.4.1 Overview

9.4.2 Marine: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

#### 9.5 Others

##### 9.5.1 Overview

9.5.2 Others: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

## **10. ASIA PACIFIC GNSS CHIP MARKET –COUNTRY ANALYSIS**

### **10.1 Asia Pacific**

#### **10.1.1 Asia Pacific GNSS Chip Market Overview**

#### **10.1.2 Asia Pacific: GNSS Chip Market – Revenue and Forecast Analysis – by Country**

##### **10.1.2.1 Asia Pacific: GNSS Chip Market – Revenue and Forecast Analysis – by Country**

##### **10.1.2.2 China: GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)**

###### **10.1.2.2.1 China: GNSS Chip Market Breakdown, by Device**

###### **10.1.2.2.2 China: GNSS Chip Market Breakdown, by Application**

###### **10.1.2.2.3 China: GNSS Chip Market Breakdown, by Vertical**

##### **10.1.2.3 Japan: GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)**

###### **10.1.2.3.1 Japan: GNSS Chip Market Breakdown, by Device**

###### **10.1.2.3.2 Japan: GNSS Chip Market Breakdown, by Application**

###### **10.1.2.3.3 Japan: GNSS Chip Market Breakdown, by Vertical**

##### **10.1.2.4 South Korea: GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)**

###### **10.1.2.4.1 South Korea: GNSS Chip Market Breakdown, by Device**

###### **10.1.2.4.2 South Korea: GNSS Chip Market Breakdown, by Application**

###### **10.1.2.4.3 South Korea: GNSS Chip Market Breakdown, by Vertical**

##### **10.1.2.5 India: GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)**

###### **10.1.2.5.1 India: GNSS Chip Market Breakdown, by Device**

###### **10.1.2.5.2 India: GNSS Chip Market Breakdown, by Application**

###### **10.1.2.5.3 India: GNSS Chip Market Breakdown, by Vertical**

##### **10.1.2.6 Australia: GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)**

###### **10.1.2.6.1 Australia: GNSS Chip Market Breakdown, by Device**

###### **10.1.2.6.2 Australia: GNSS Chip Market Breakdown, by Application**

###### **10.1.2.6.3 Australia: GNSS Chip Market Breakdown, by Vertical**

##### **10.1.2.7 Rest of Asia Pacific: GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)**

###### **10.1.2.7.1 Rest of Asia Pacific: GNSS Chip Market Breakdown, by Device**

###### **10.1.2.7.2 Rest of Asia Pacific: GNSS Chip Market Breakdown, by Application**

###### **10.1.2.7.3 Rest of Asia Pacific: GNSS Chip Market Breakdown, by Vertical**

## **11. COMPETITIVE LANDSCAPE**

### **11.1 Heat Map Analysis by Key Players**

### **11.2 Company Positioning & Concentration**

## **12. INDUSTRY LANDSCAPE**

- 12.1 Overview
- 12.2 Market Initiative
- 12.3 Product Development
- 12.4 Mergers & Acquisitions

## **13. COMPANY PROFILES**

- 13.1 Qualcomm Inc
  - 13.1.1 Key Facts
  - 13.1.2 Business Description
  - 13.1.3 Products and Services
  - 13.1.4 Financial Overview
  - 13.1.5 SWOT Analysis
  - 13.1.6 Key Developments
- 13.2 SkyTraq Technology Inc
  - 13.2.1 Key Facts
  - 13.2.2 Business Description
  - 13.2.3 Products and Services
  - 13.2.4 Financial Overview
  - 13.2.5 SWOT Analysis
  - 13.2.6 Key Developments
- 13.3 Broadcom Inc
  - 13.3.1 Key Facts
  - 13.3.2 Business Description
  - 13.3.3 Products and Services
  - 13.3.4 Financial Overview
  - 13.3.5 SWOT Analysis
  - 13.3.6 Key Developments
- 13.4 Septentrio NV
  - 13.4.1 Key Facts
  - 13.4.2 Business Description
  - 13.4.3 Products and Services
  - 13.4.4 Financial Overview
  - 13.4.5 SWOT Analysis
  - 13.4.6 Key Developments
- 13.5 Trimble Inc
  - 13.5.1 Key Facts

- 13.5.2 Business Description
- 13.5.3 Products and Services
- 13.5.4 Financial Overview
- 13.5.5 SWOT Analysis
- 13.5.6 Key Developments
- 13.6 Furuno Electric Co Ltd
  - 13.6.1 Key Facts
  - 13.6.2 Business Description
  - 13.6.3 Products and Services
  - 13.6.4 Financial Overview
  - 13.6.5 SWOT Analysis
  - 13.6.6 Key Developments
- 13.7 MediaTek Inc
  - 13.7.1 Key Facts
  - 13.7.2 Business Description
  - 13.7.3 Products and Services
  - 13.7.4 Financial Overview
  - 13.7.5 SWOT Analysis
  - 13.7.6 Key Developments
- 13.8 STMicroelectronics NV
  - 13.8.1 Key Facts
  - 13.8.2 Business Description
  - 13.8.3 Products and Services
  - 13.8.4 Financial Overview
  - 13.8.5 SWOT Analysis
  - 13.8.6 Key Developments
- 13.9 Skyworks Solutions Inc
  - 13.9.1 Key Facts
  - 13.9.2 Business Description
  - 13.9.3 Products and Services
  - 13.9.4 Financial Overview
  - 13.9.5 SWOT Analysis
  - 13.9.6 Key Developments
- 13.10 u-blox Holding AG
  - 13.10.1 Key Facts
  - 13.10.2 Business Description
  - 13.10.3 Products and Services
  - 13.10.4 Financial Overview
  - 13.10.5 SWOT Analysis

#### 13.10.6 Key Developments

### **14. APPENDIX**

#### 14.1 About The Insight Partners

## List Of Tables

### LIST OF TABLES

Table 1. Asia Pacific GNSS Chip Market Segmentation

Table 2. List of Vendors

Table 3. Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Table 4. Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)  
– by Device

Table 5. Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)  
– by Application

Table 6. Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)  
– by Vertical

Table 7. Asia Pacific: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)  
– by Country

Table 8. China: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Device

Table 9. China: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Application

Table 10. China: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Vertical

Table 11. Japan: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Device

Table 12. Japan: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Application

Table 13. Japan: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Vertical

Table 14. South Korea: GNSS Chip Market – Revenue and Forecast to 2030(US\$  
Million) – by Device

Table 15. South Korea: GNSS Chip Market – Revenue and Forecast to 2030(US\$  
Million) – by Application

Table 16. South Korea: GNSS Chip Market – Revenue and Forecast to 2030(US\$  
Million) – by Vertical

Table 17. India: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Device

Table 18. India: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Application

Table 19. India: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by  
Vertical

Table 20. Australia: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by Device

Table 21. Australia: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by Application

Table 22. Australia: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by Vertical

Table 23. Rest of Asia Pacific: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by Device

Table 24. Rest of Asia Pacific: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by Application

Table 25. Rest of Asia Pacific: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million) – by Vertical

Table 26. Heat Map Analysis by Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1. Asia Pacific GNSS Chip Market Segmentation, by Country

Figure 2. PEST Analysis

Figure 3. Ecosystem Analysis

Figure 4. Impact Analysis of Drivers and Restraints

Figure 5. Asia Pacific GNSS Chip Market Revenue (US\$ Million), 2022–2030

Figure 6. Asia Pacific GNSS Chip Market Share (%) – by Device (2022 and 2030)

Figure 7. Smartphones: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 8. Tablets: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 9. Personal Navigation Devices: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 10. In-Vehicle systems: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 11. Others: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 12. Asia Pacific GNSS Chip Market Share (%) – by Application (2022 and 2030)

Figure 13. Navigation and Location-Based Services: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 14. Mapping and Surveying: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 15. Telematics: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 16. Timing and Synchronization: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 17. Others: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 18. Asia Pacific GNSS Chip Market Share (%) – by Vertical (2022 and 2030)

Figure 19. Consumer Electronics: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 20. Automotive and Transportation: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 21. Military and Defense: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 22. Marine: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030

(US\$ Million)

Figure 23. Others: Asia Pacific GNSS Chip Market – Revenue and Forecast to 2030

(US\$ Million)

Figure 24. Asia Pacific GNSS Chip Market – Country, 2022 (US\$ Million)

Figure 25. Asia Pacific: GNSS Chip Market Breakdown, by Key Countries, 2022 and 2030 (%)

Figure 26. China: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)

Figure 27. Japan: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)

Figure 28. South Korea: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)

Figure 29. India: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)

Figure 30. Australia: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)

Figure 31. Rest of Asia Pacific: GNSS Chip Market – Revenue and Forecast to 2030(US\$ Million)

Figure 32. Company Positioning & Concentration

## I would like to order

Product name: Asia Pacific GNSS Chip Market Forecast to 2030 - Regional Analysis - by Device (Smartphones, Tablets, Personal Navigation Devices, In-Vehicle Systems, and Others), Application (Navigation and Location-Based Services, Mapping and Surveying, Telematics, Timing and Synchronization, and Others), and Vertical (Consumer Electronics, Automotive & Transportation, Military & Defense, Marine, and Others)

Product link: <https://marketpublishers.com/r/A54D5D6C774AEN.html>

Price: US\$ 3,550.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A54D5D6C774AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970