

Global Automotive 6-Axis IMU Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G7010F918AB1EN.html>

Date: June 2026

Pages: 99

Price: US\$ 3,480.00 (Single User License)

ID: G7010F918AB1EN

Abstracts

According to our (Global Info Research) latest study, the global Automotive 6-Axis IMU market size was valued at US\$ 3200 million in 2025 and is forecast to a readjusted size of US\$ 6269 million by 2032 with a CAGR of 10.0% during review period.

An automotive 6-axis inertial measurement unit is the core inertial component that integrates a 3-axis accelerometer and a 3-axis gyroscope into the same automotive-grade device. Its main role is to deliver stable angular-rate and linear-acceleration data when satellite signals are blocked, vehicle attitude changes rapidly, or the system needs continuous motion awareness, thereby supporting dead reckoning, attitude estimation, body control, vehicle safety, and autonomous-driving sensor fusion. Based on the verified official product pages, this segment has already formed a multi-layer delivery structure ranging from low-power automotive-grade chips, to factory-calibrated modules, to ruggedized packaged IMUs. Its main technical directions center on low noise, bias stability, wide-temperature reliability, time synchronization, redundancy design, functional safety, and factory calibration, while interfaces span SPI, I2C, I3C, CAN, CAN FD, and automotive Ethernet. Typical applications have expanded from traditional navigation and telematics terminals to ADAS, automated driving, vehicle stability control, camera and headlamp leveling, vehicle attitude detection, and motion monitoring for heavy-duty and off-highway vehicles. The main customers are not end vehicle owners, but OEMs, Tier 1 suppliers, domain controller vendors, navigation and positioning suppliers, ADAS providers, body and chassis suppliers, and engineering vehicle system integrators. The business model is still centered on chip or module sales, but calibration, firmware configuration, algorithm adaptation, software tools, and customized parameter services are increasingly used to improve integration efficiency, development speed, and unit value. Official disclosures also show that competition is no

longer limited to single-point accuracy, but is becoming stratified around public range specifications, temperature capability, interface adaptation, package protection, functional safety level, and system integration readiness, which indicates that the product is evolving from a standalone sensor device into a foundational platform component within in-vehicle positioning and motion-sensing systems.

Official product pages show that automotive 6-axis IMUs have evolved from auxiliary sensing components into the foundational inertial layer of intelligent vehicles and higher-level motion-control systems. Bosch, ST, and TDK still position their products around navigation, telematics, dead reckoning, and standard automotive applications, which indicates that low-power, cost-efficient, high-volume chip products remain the base of the market. At the same time, Murata, Quectel, Aceinna, and Honeywell are clearly pushing their products into higher-value scenarios such as GNSS fusion, ADAS, automated driving, central vehicle IMUs, construction machinery, and off-highway vehicle automation. This shows that demand is shifting from simply obtaining motion data toward providing continuous, trustworthy, and fusion-ready dynamic state inputs for the vehicle. As application levels move upward, the importance of a 6-axis IMU is no longer defined only by sensing performance itself, but by whether it can continuously provide stable base measurements for higher-level control and positioning systems under complex temperature conditions, vibration, signal blockage, and long operating cycles. For OEMs and Tier 1 suppliers, these devices are increasingly functioning as a foundational motion reference source connected to positioning, body, chassis, camera, lighting, and domain-control subsystems. As a result, the market can no longer be judged only by single-chip cost, but by reuse value within the vehicle E/E architecture, data credibility, and scenario extensibility.

A second clear trend is that competition is shifting from device-parameter competition to competition in system integration efficiency and safety-trusted capability. Murata emphasizes the central vehicle IMU role, time synchronization, functional safety, and factory calibration. ST emphasizes a dedicated automotive MEMS production flow, full-temperature testing, and dead-reckoning performance. Quectel emphasizes factory-calibrated modules based on automotive-grade chips. Aceinna and Honeywell further extend the value proposition into automotive Ethernet, CAN FD, J1939, configurable firmware, and customer-specific adaptation. This means customers are no longer buying a standalone chip, but rather a motion-sensing subsystem that can be integrated faster, validated more easily, and adapted to different electrical and electronic architectures. Going forward, companies that can simultaneously control noise, bias, wide-temperature consistency, redundancy, interfaces, and calibration workflows will be more likely to move from simple component suppliers to vehicle inertial platform

suppliers. As vehicle algorithms rely more heavily on multi-sensor fusion, vendors that can provide time synchronization, factory trimming, standardized interfaces, configurable parameters, and development tools will have a better chance of entering production programs, because they reduce customer debugging effort, shorten vehicle-introduction cycles, lower system-validation cost, and improve real-world performance under weak satellite coverage, harsh roads, and complex thermal drift conditions.

From the external industry environment, the growth logic of this segment is also strengthening. Since July 2024, the European Union has applied broader mandatory driver-assistance requirements to all newly sold motor vehicles and has established the approval framework for automated and driverless vehicles. In 2025, China further tightened administration over the admission, recall, and OTA upgrade management of intelligent connected vehicle products. NHTSA in the United States continues to treat active safety and automated driving systems as major pathways for improving road safety. These policies do not directly require the use of any specific 6-axis IMU, but they continuously raise system requirements for sensing, fusion, monitoring, event recording, and safety redundancy, which objectively increases the necessity of highly reliable automotive-grade inertial devices. Based on the current official supplier sample, production capability is mainly concentrated in Europe, Japan, the United States, and China, while sales and deployment momentum is likely to expand first in China, Europe, and North America along with production programs in ADAS, automated driving, engineering vehicle intelligence, and high-precision navigation. At the same time, automation upgrades in heavy-duty vehicles, agricultural machinery, warehousing, and off-highway platforms are opening additional room for packaged, ruggedized, and firmware-configurable IMUs, meaning future growth is unlikely to come from passenger vehicles alone and is more likely to be amplified by the combined pull of passenger-car intelligence, commercial-vehicle safety, and engineering-vehicle automation.

This report is a detailed and comprehensive analysis for global Automotive 6-Axis IMU 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 Automotive 6-Axis IMU market size and forecasts, in consumption value (\$

Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive 6-Axis IMU market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive 6-Axis IMU market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive 6-Axis IMU market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

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 Automotive 6-Axis IMU

- 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 Automotive 6-Axis IMU 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 Robert Bosch GmbH, STMicroelectronics N.V., TDK Corporation, Murata Manufacturing Co., Ltd., QST Corporation Limited, Quectel Wireless Solutions Co., Ltd., ACEINNA, Inc., Panasonic Holdings Corporation, Honeywell International Inc., etc.

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

Market Segmentation

Automotive 6-Axis IMU market is split by Type and by Application. For the period 2021-2032, 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

Small

Miniature

Market segment by Delivery Form

Automotive Bare-Chip IMU

Calibrated Automotive Module

Rugged Packaged IMU

Market segment by Maximum Public Gyroscope Range

300 dps and Below

301 to 500 dps

501 to 2000 dps

2001 to 4000 dps

Market segment by Application

Dead Reckoning (DR)

Internet of Vehicles (V2X)

Telematics, Electronic Toll Collection

Collision Detection and Collision Reproduction

Anti-Theft System

Motion Start Function

Driving Comfort

Vibration Monitoring and Compensation

Major players covered

Robert Bosch GmbH

STMicroelectronics N.V.

TDK Corporation

Murata Manufacturing Co., Ltd.

QST Corporation Limited

Quectel Wireless Solutions Co., Ltd.

ACEINNA, Inc.

Panasonic Holdings Corporation

Honeywell International Inc.

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 Automotive 6-Axis IMU product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive 6-Axis IMU, with price, sales quantity, revenue, and global market share of Automotive 6-Axis IMU from 2021 to 2026.

Chapter 3, the Automotive 6-Axis IMU competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive 6-Axis IMU breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Automotive 6-Axis IMU market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Automotive 6-Axis IMU.

Chapter 14 and 15, to describe Automotive 6-Axis IMU sales channel,

distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Automotive 6-Axis IMU Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Small

1.3.3 Miniature

1.4 Market Analysis by Delivery Form

1.4.1 Overview: Global Automotive 6-Axis IMU Consumption Value by Delivery Form: 2021 Versus 2025 Versus 2032

1.4.2 Automotive Bare-Chip IMU

1.4.3 Calibrated Automotive Module

1.4.4 Rugged Packaged IMU

1.5 Market Analysis by Maximum Public Gyroscope Range

1.5.1 Overview: Global Automotive 6-Axis IMU Consumption Value by Maximum Public Gyroscope Range: 2021 Versus 2025 Versus 2032

1.5.2 300 dps and Below

1.5.3 301 to 500 dps

1.5.4 501 to 2000 dps

1.5.5 2001 to 4000 dps

1.6 Market Analysis by Application

1.6.1 Overview: Global Automotive 6-Axis IMU Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Dead Reckoning (DR)

1.6.3 Internet of Vehicles (V2X)

1.6.4 Telematics, Electronic Toll Collection

1.6.5 Collision Detection and Collision Reproduction

1.6.6 Anti-Theft System

1.6.7 Motion Start Function

1.6.8 Driving Comfort

1.6.9 Vibration Monitoring and Compensation

1.7 Global Automotive 6-Axis IMU Market Size & Forecast

1.7.1 Global Automotive 6-Axis IMU Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Automotive 6-Axis IMU Sales Quantity (2021-2032)

1.7.3 Global Automotive 6-Axis IMU Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Robert Bosch GmbH

2.1.1 Robert Bosch GmbH Details

2.1.2 Robert Bosch GmbH Major Business

2.1.3 Robert Bosch GmbH Automotive 6-Axis IMU Product and Services

2.1.4 Robert Bosch GmbH Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Robert Bosch GmbH Recent Developments/Updates

2.2 STMicroelectronics N.V.

2.2.1 STMicroelectronics N.V. Details

2.2.2 STMicroelectronics N.V. Major Business

2.2.3 STMicroelectronics N.V. Automotive 6-Axis IMU Product and Services

2.2.4 STMicroelectronics N.V. Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 STMicroelectronics N.V. Recent Developments/Updates

2.3 TDK Corporation

2.3.1 TDK Corporation Details

2.3.2 TDK Corporation Major Business

2.3.3 TDK Corporation Automotive 6-Axis IMU Product and Services

2.3.4 TDK Corporation Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 TDK Corporation Recent Developments/Updates

2.4 Murata Manufacturing Co., Ltd.

2.4.1 Murata Manufacturing Co., Ltd. Details

2.4.2 Murata Manufacturing Co., Ltd. Major Business

2.4.3 Murata Manufacturing Co., Ltd. Automotive 6-Axis IMU Product and Services

2.4.4 Murata Manufacturing Co., Ltd. Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Murata Manufacturing Co., Ltd. Recent Developments/Updates

2.5 QST Corporation Limited

2.5.1 QST Corporation Limited Details

2.5.2 QST Corporation Limited Major Business

2.5.3 QST Corporation Limited Automotive 6-Axis IMU Product and Services

2.5.4 QST Corporation Limited Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 QST Corporation Limited Recent Developments/Updates

2.6 Quectel Wireless Solutions Co., Ltd.

- 2.6.1 Quectel Wireless Solutions Co., Ltd. Details
- 2.6.2 Quectel Wireless Solutions Co., Ltd. Major Business
- 2.6.3 Quectel Wireless Solutions Co., Ltd. Automotive 6-Axis IMU Product and Services
- 2.6.4 Quectel Wireless Solutions Co., Ltd. Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Quectel Wireless Solutions Co., Ltd. Recent Developments/Updates
- 2.7 ACEINNA, Inc.
 - 2.7.1 ACEINNA, Inc. Details
 - 2.7.2 ACEINNA, Inc. Major Business
 - 2.7.3 ACEINNA, Inc. Automotive 6-Axis IMU Product and Services
 - 2.7.4 ACEINNA, Inc. Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 ACEINNA, Inc. Recent Developments/Updates
- 2.8 Panasonic Holdings Corporation
 - 2.8.1 Panasonic Holdings Corporation Details
 - 2.8.2 Panasonic Holdings Corporation Major Business
 - 2.8.3 Panasonic Holdings Corporation Automotive 6-Axis IMU Product and Services
 - 2.8.4 Panasonic Holdings Corporation Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Panasonic Holdings Corporation Recent Developments/Updates
- 2.9 Honeywell International Inc.
 - 2.9.1 Honeywell International Inc. Details
 - 2.9.2 Honeywell International Inc. Major Business
 - 2.9.3 Honeywell International Inc. Automotive 6-Axis IMU Product and Services
 - 2.9.4 Honeywell International Inc. Automotive 6-Axis IMU Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Honeywell International Inc. Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE 6-AXIS IMU BY MANUFACTURER

- 3.1 Global Automotive 6-Axis IMU Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Automotive 6-Axis IMU Revenue by Manufacturer (2021-2026)
- 3.3 Global Automotive 6-Axis IMU Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Automotive 6-Axis IMU by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Automotive 6-Axis IMU Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Automotive 6-Axis IMU Manufacturer Market Share in 2025

- 3.5 Automotive 6-Axis IMU Market: Overall Company Footprint Analysis
 - 3.5.1 Automotive 6-Axis IMU Market: Region Footprint
 - 3.5.2 Automotive 6-Axis IMU Market: Company Product Type Footprint
 - 3.5.3 Automotive 6-Axis IMU Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Automotive 6-Axis IMU Market Size by Region
 - 4.1.1 Global Automotive 6-Axis IMU Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Automotive 6-Axis IMU Consumption Value by Region (2021-2032)
 - 4.1.3 Global Automotive 6-Axis IMU Average Price by Region (2021-2032)
- 4.2 North America Automotive 6-Axis IMU Consumption Value (2021-2032)
- 4.3 Europe Automotive 6-Axis IMU Consumption Value (2021-2032)
- 4.4 Asia-Pacific Automotive 6-Axis IMU Consumption Value (2021-2032)
- 4.5 South America Automotive 6-Axis IMU Consumption Value (2021-2032)
- 4.6 Middle East & Africa Automotive 6-Axis IMU Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Automotive 6-Axis IMU Sales Quantity by Type (2021-2032)
- 5.2 Global Automotive 6-Axis IMU Consumption Value by Type (2021-2032)
- 5.3 Global Automotive 6-Axis IMU Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Automotive 6-Axis IMU Sales Quantity by Application (2021-2032)
- 6.2 Global Automotive 6-Axis IMU Consumption Value by Application (2021-2032)
- 6.3 Global Automotive 6-Axis IMU Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Automotive 6-Axis IMU Sales Quantity by Type (2021-2032)
- 7.2 North America Automotive 6-Axis IMU Sales Quantity by Application (2021-2032)
- 7.3 North America Automotive 6-Axis IMU Market Size by Country
 - 7.3.1 North America Automotive 6-Axis IMU Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Automotive 6-Axis IMU Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Automotive 6-Axis IMU Sales Quantity by Type (2021-2032)

8.2 Europe Automotive 6-Axis IMU Sales Quantity by Application (2021-2032)

8.3 Europe Automotive 6-Axis IMU Market Size by Country

8.3.1 Europe Automotive 6-Axis IMU Sales Quantity by Country (2021-2032)

8.3.2 Europe Automotive 6-Axis IMU Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Automotive 6-Axis IMU Market Size by Region

9.3.1 Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Automotive 6-Axis IMU Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Automotive 6-Axis IMU Sales Quantity by Type (2021-2032)

10.2 South America Automotive 6-Axis IMU Sales Quantity by Application (2021-2032)

10.3 South America Automotive 6-Axis IMU Market Size by Country

10.3.1 South America Automotive 6-Axis IMU Sales Quantity by Country (2021-2032)

10.3.2 South America Automotive 6-Axis IMU Consumption Value by Country
(2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Application
(2021-2032)

11.3 Middle East & Africa Automotive 6-Axis IMU Market Size by Country

11.3.1 Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Country
(2021-2032)

11.3.2 Middle East & Africa Automotive 6-Axis IMU Consumption Value by Country
(2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Automotive 6-Axis IMU Market Drivers

12.2 Automotive 6-Axis IMU Market Restraints

12.3 Automotive 6-Axis IMU Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Automotive 6-Axis IMU and Key Manufacturers

13.2 Manufacturing Costs Percentage of Automotive 6-Axis IMU

13.3 Automotive 6-Axis IMU Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Automotive 6-Axis IMU Typical Distributors

14.3 Automotive 6-Axis IMU Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Automotive 6-Axis IMU Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Automotive 6-Axis IMU Consumption Value by Delivery Form, (USD Million), 2021 & 2025 & 2032

Table 3. Global Automotive 6-Axis IMU Consumption Value by Maximum Public Gyroscope Range, (USD Million), 2021 & 2025 & 2032

Table 4. Global Automotive 6-Axis IMU Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Robert Bosch GmbH Basic Information, Manufacturing Base and Competitors

Table 6. Robert Bosch GmbH Major Business

Table 7. Robert Bosch GmbH Automotive 6-Axis IMU Product and Services

Table 8. Robert Bosch GmbH Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Robert Bosch GmbH Recent Developments/Updates

Table 10. STMicroelectronics N.V. Basic Information, Manufacturing Base and Competitors

Table 11. STMicroelectronics N.V. Major Business

Table 12. STMicroelectronics N.V. Automotive 6-Axis IMU Product and Services

Table 13. STMicroelectronics N.V. Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. STMicroelectronics N.V. Recent Developments/Updates

Table 15. TDK Corporation Basic Information, Manufacturing Base and Competitors

Table 16. TDK Corporation Major Business

Table 17. TDK Corporation Automotive 6-Axis IMU Product and Services

Table 18. TDK Corporation Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. TDK Corporation Recent Developments/Updates

Table 20. Murata Manufacturing Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 21. Murata Manufacturing Co., Ltd. Major Business

Table 22. Murata Manufacturing Co., Ltd. Automotive 6-Axis IMU Product and Services

Table 23. Murata Manufacturing Co., Ltd. Automotive 6-Axis IMU Sales Quantity (Million

Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Murata Manufacturing Co., Ltd. Recent Developments/Updates

Table 25. QST Corporation Limited Basic Information, Manufacturing Base and Competitors

Table 26. QST Corporation Limited Major Business

Table 27. QST Corporation Limited Automotive 6-Axis IMU Product and Services

Table 28. QST Corporation Limited Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. QST Corporation Limited Recent Developments/Updates

Table 30. Quectel Wireless Solutions Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 31. Quectel Wireless Solutions Co., Ltd. Major Business

Table 32. Quectel Wireless Solutions Co., Ltd. Automotive 6-Axis IMU Product and Services

Table 33. Quectel Wireless Solutions Co., Ltd. Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Quectel Wireless Solutions Co., Ltd. Recent Developments/Updates

Table 35. ACEINNA, Inc. Basic Information, Manufacturing Base and Competitors

Table 36. ACEINNA, Inc. Major Business

Table 37. ACEINNA, Inc. Automotive 6-Axis IMU Product and Services

Table 38. ACEINNA, Inc. Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. ACEINNA, Inc. Recent Developments/Updates

Table 40. Panasonic Holdings Corporation Basic Information, Manufacturing Base and Competitors

Table 41. Panasonic Holdings Corporation Major Business

Table 42. Panasonic Holdings Corporation Automotive 6-Axis IMU Product and Services

Table 43. Panasonic Holdings Corporation Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Panasonic Holdings Corporation Recent Developments/Updates

Table 45. Honeywell International Inc. Basic Information, Manufacturing Base and Competitors

Table 46. Honeywell International Inc. Major Business

Table 47. Honeywell International Inc. Automotive 6-Axis IMU Product and Services

Table 48. Honeywell International Inc. Automotive 6-Axis IMU Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Honeywell International Inc. Recent Developments/Updates

Table 50. Global Automotive 6-Axis IMU Sales Quantity by Manufacturer (2021-2026) & (Million Units)

Table 51. Global Automotive 6-Axis IMU Revenue by Manufacturer (2021-2026) & (USD Million)

Table 52. Global Automotive 6-Axis IMU Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 53. Market Position of Manufacturers in Automotive 6-Axis IMU, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 54. Head Office and Automotive 6-Axis IMU Production Site of Key Manufacturer

Table 55. Automotive 6-Axis IMU Market: Company Product Type Footprint

Table 56. Automotive 6-Axis IMU Market: Company Product Application Footprint

Table 57. Automotive 6-Axis IMU New Market Entrants and Barriers to Market Entry

Table 58. Automotive 6-Axis IMU Mergers, Acquisition, Agreements, and Collaborations

Table 59. Global Automotive 6-Axis IMU Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 60. Global Automotive 6-Axis IMU Sales Quantity by Region (2021-2026) & (Million Units)

Table 61. Global Automotive 6-Axis IMU Sales Quantity by Region (2027-2032) & (Million Units)

Table 62. Global Automotive 6-Axis IMU Consumption Value by Region (2021-2026) & (USD Million)

Table 63. Global Automotive 6-Axis IMU Consumption Value by Region (2027-2032) & (USD Million)

Table 64. Global Automotive 6-Axis IMU Average Price by Region (2021-2026) & (US\$/Unit)

Table 65. Global Automotive 6-Axis IMU Average Price by Region (2027-2032) & (US\$/Unit)

Table 66. Global Automotive 6-Axis IMU Sales Quantity by Type (2021-2026) & (Million Units)

Table 67. Global Automotive 6-Axis IMU Sales Quantity by Type (2027-2032) & (Million Units)

Table 68. Global Automotive 6-Axis IMU Consumption Value by Type (2021-2026) & (USD Million)

Table 69. Global Automotive 6-Axis IMU Consumption Value by Type (2027-2032) & (USD Million)

Table 70. Global Automotive 6-Axis IMU Average Price by Type (2021-2026) & (US\$/Unit)

Table 71. Global Automotive 6-Axis IMU Average Price by Type (2027-2032) & (US\$/Unit)

Table 72. Global Automotive 6-Axis IMU Sales Quantity by Application (2021-2026) & (Million Units)

Table 73. Global Automotive 6-Axis IMU Sales Quantity by Application (2027-2032) & (Million Units)

Table 74. Global Automotive 6-Axis IMU Consumption Value by Application (2021-2026) & (USD Million)

Table 75. Global Automotive 6-Axis IMU Consumption Value by Application (2027-2032) & (USD Million)

Table 76. Global Automotive 6-Axis IMU Average Price by Application (2021-2026) & (US\$/Unit)

Table 77. Global Automotive 6-Axis IMU Average Price by Application (2027-2032) & (US\$/Unit)

Table 78. North America Automotive 6-Axis IMU Sales Quantity by Type (2021-2026) & (Million Units)

Table 79. North America Automotive 6-Axis IMU Sales Quantity by Type (2027-2032) & (Million Units)

Table 80. North America Automotive 6-Axis IMU Sales Quantity by Application (2021-2026) & (Million Units)

Table 81. North America Automotive 6-Axis IMU Sales Quantity by Application (2027-2032) & (Million Units)

Table 82. North America Automotive 6-Axis IMU Sales Quantity by Country (2021-2026) & (Million Units)

Table 83. North America Automotive 6-Axis IMU Sales Quantity by Country (2027-2032) & (Million Units)

Table 84. North America Automotive 6-Axis IMU Consumption Value by Country (2021-2026) & (USD Million)

Table 85. North America Automotive 6-Axis IMU Consumption Value by Country (2027-2032) & (USD Million)

Table 86. Europe Automotive 6-Axis IMU Sales Quantity by Type (2021-2026) & (Million Units)

Table 87. Europe Automotive 6-Axis IMU Sales Quantity by Type (2027-2032) & (Million Units)

Table 88. Europe Automotive 6-Axis IMU Sales Quantity by Application (2021-2026) & (Million Units)

Table 89. Europe Automotive 6-Axis IMU Sales Quantity by Application (2027-2032) &

(Million Units)

Table 90. Europe Automotive 6-Axis IMU Sales Quantity by Country (2021-2026) & (Million Units)

Table 91. Europe Automotive 6-Axis IMU Sales Quantity by Country (2027-2032) & (Million Units)

Table 92. Europe Automotive 6-Axis IMU Consumption Value by Country (2021-2026) & (USD Million)

Table 93. Europe Automotive 6-Axis IMU Consumption Value by Country (2027-2032) & (USD Million)

Table 94. Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Type (2021-2026) & (Million Units)

Table 95. Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Type (2027-2032) & (Million Units)

Table 96. Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Application (2021-2026) & (Million Units)

Table 97. Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Application (2027-2032) & (Million Units)

Table 98. Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Region (2021-2026) & (Million Units)

Table 99. Asia-Pacific Automotive 6-Axis IMU Sales Quantity by Region (2027-2032) & (Million Units)

Table 100. Asia-Pacific Automotive 6-Axis IMU Consumption Value by Region (2021-2026) & (USD Million)

Table 101. Asia-Pacific Automotive 6-Axis IMU Consumption Value by Region (2027-2032) & (USD Million)

Table 102. South America Automotive 6-Axis IMU Sales Quantity by Type (2021-2026) & (Million Units)

Table 103. South America Automotive 6-Axis IMU Sales Quantity by Type (2027-2032) & (Million Units)

Table 104. South America Automotive 6-Axis IMU Sales Quantity by Application (2021-2026) & (Million Units)

Table 105. South America Automotive 6-Axis IMU Sales Quantity by Application (2027-2032) & (Million Units)

Table 106. South America Automotive 6-Axis IMU Sales Quantity by Country (2021-2026) & (Million Units)

Table 107. South America Automotive 6-Axis IMU Sales Quantity by Country (2027-2032) & (Million Units)

Table 108. South America Automotive 6-Axis IMU Consumption Value by Country (2021-2026) & (USD Million)

Table 109. South America Automotive 6-Axis IMU Consumption Value by Country
(2027-2032) & (USD Million)

Table 110. Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Type
(2021-2026) & (Million Units)

Table 111. Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Type
(2027-2032) & (Million Units)

Table 112. Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Application
(2021-2026) & (Million Units)

Table 113. Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Application
(2027-2032) & (Million Units)

Table 114. Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Country
(2021-2026) & (Million Units)

Table 115. Middle East & Africa Automotive 6-Axis IMU Sales Quantity by Country
(2027-2032) & (Million Units)

Table 116. Middle East & Africa Automotive 6-Axis IMU Consumption Value by Country
(2021-2026) & (USD Million)

Table 117. Middle East & Africa Automotive 6-Axis IMU Consumption Value by Country
(2027-2032) & (USD Million)

Table 118. Automotive 6-Axis IMU Raw Material

Table 119. Key Manufacturers of Automotive 6-Axis IMU Raw Materials

Table 120. Automotive 6-Axis IMU Typical Distributors

Table 121. Automotive 6-Axis IMU Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Automotive 6-Axis IMU Picture

Figure 2. Global Automotive 6-Axis IMU Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Automotive 6-Axis IMU Revenue Market Share by Type in 2025

Figure 4. Small Examples

Figure 5. Miniature Examples

Figure 6. Global Automotive 6-Axis IMU Revenue by Delivery Form, (USD Million), 2021 & 2025 & 2032

Figure 7. Global Automotive 6-Axis IMU Revenue Market Share by Delivery Form in 2025

Figure 8. Automotive Bare-Chip IMU Examples

Figure 9. Calibrated Automotive Module Examples

Figure 10. Rugged Packaged IMU Examples

Figure 11. Global Automotive 6-Axis IMU Revenue by Maximum Public Gyroscope Range, (USD Million), 2021 & 2025 & 2032

Figure 12. Global Automotive 6-Axis IMU Revenue Market Share by Maximum Public Gyroscope Range in 2025

Figure 13. 300 dps and Below Examples

Figure 14. 301 to 500 dps Examples

Figure 15. 501 to 2000 dps Examples

Figure 16. 2001 to 4000 dps Examples

Figure 17. Global Automotive 6-Axis IMU Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 18. Global Automotive 6-Axis IMU Revenue Market Share by Application in 2025

Figure 19. Dead Reckoning (DR) Examples

Figure 20. Internet of Vehicles (V2X) Examples

Figure 21. Telematics, Electronic Toll Collection Examples

Figure 22. Collision Detection and Collision Reproduction Examples

Figure 23. Anti-Theft System Examples

Figure 24. Motion Start Function Examples

Figure 25. Driving Comfort Examples

Figure 26. Vibration Monitoring and Compensation Examples

Figure 27. Vibration Monitoring and Compensation Examples

Figure 28. Global Automotive 6-Axis IMU Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 29. Global Automotive 6-Axis IMU Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 30. Global Automotive 6-Axis IMU Sales Quantity (2021-2032) & (Million Units)

Figure 31. Global Automotive 6-Axis IMU Price (2021-2032) & (US\$/Unit)

Figure 32. Global Automotive 6-Axis IMU Sales Quantity Market Share by Manufacturer in 2025

Figure 33. Global Automotive 6-Axis IMU Revenue Market Share by Manufacturer in 2025

Figure 34. Producer Shipments of Automotive 6-Axis IMU by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 35. Top 3 Automotive 6-Axis IMU Manufacturer (Revenue) Market Share in 2025

Figure 36. Top 6 Automotive 6-Axis IMU Manufacturer (Revenue) Market Share in 2025

Figure 37. Global Automotive 6-Axis IMU Sales Quantity Market Share by Region (2021-2032)

Figure 38. Global Automotive 6-Axis IMU Consumption Value Market Share by Region (2021-2032)

Figure 39. North America Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 40. Europe Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 41. Asia-Pacific Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 42. South America Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 43. Middle East & Africa Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 44. Global Automotive 6-Axis IMU Sales Quantity Market Share by Type (2021-2032)

Figure 45. Global Automotive 6-Axis IMU Consumption Value Market Share by Type (2021-2032)

Figure 46. Global Automotive 6-Axis IMU Average Price by Type (2021-2032) & (US\$/Unit)

Figure 47. Global Automotive 6-Axis IMU Sales Quantity Market Share by Application (2021-2032)

Figure 48. Global Automotive 6-Axis IMU Revenue Market Share by Application (2021-2032)

Figure 49. Global Automotive 6-Axis IMU Average Price by Application (2021-2032) & (US\$/Unit)

Figure 50. North America Automotive 6-Axis IMU Sales Quantity Market Share by Type

(2021-2032)

Figure 51. North America Automotive 6-Axis IMU Sales Quantity Market Share by Application (2021-2032)

Figure 52. North America Automotive 6-Axis IMU Sales Quantity Market Share by Country (2021-2032)

Figure 53. North America Automotive 6-Axis IMU Consumption Value Market Share by Country (2021-2032)

Figure 54. United States Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 55. Canada Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 56. Mexico Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 57. Europe Automotive 6-Axis IMU Sales Quantity Market Share by Type (2021-2032)

Figure 58. Europe Automotive 6-Axis IMU Sales Quantity Market Share by Application (2021-2032)

Figure 59. Europe Automotive 6-Axis IMU Sales Quantity Market Share by Country (2021-2032)

Figure 60. Europe Automotive 6-Axis IMU Consumption Value Market Share by Country (2021-2032)

Figure 61. Germany Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 62. France Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 63. United Kingdom Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 64. Russia Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 65. Italy Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 66. Asia-Pacific Automotive 6-Axis IMU Sales Quantity Market Share by Type (2021-2032)

Figure 67. Asia-Pacific Automotive 6-Axis IMU Sales Quantity Market Share by Application (2021-2032)

Figure 68. Asia-Pacific Automotive 6-Axis IMU Sales Quantity Market Share by Region (2021-2032)

Figure 69. Asia-Pacific Automotive 6-Axis IMU Consumption Value Market Share by Region (2021-2032)

Figure 70. China Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD

Million)

Figure 71. Japan Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 72. South Korea Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 73. India Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 74. Southeast Asia Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 75. Australia Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 76. South America Automotive 6-Axis IMU Sales Quantity Market Share by Type (2021-2032)

Figure 77. South America Automotive 6-Axis IMU Sales Quantity Market Share by Application (2021-2032)

Figure 78. South America Automotive 6-Axis IMU Sales Quantity Market Share by Country (2021-2032)

Figure 79. South America Automotive 6-Axis IMU Consumption Value Market Share by Country (2021-2032)

Figure 80. Brazil Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 81. Argentina Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 82. Middle East & Africa Automotive 6-Axis IMU Sales Quantity Market Share by Type (2021-2032)

Figure 83. Middle East & Africa Automotive 6-Axis IMU Sales Quantity Market Share by Application (2021-2032)

Figure 84. Middle East & Africa Automotive 6-Axis IMU Sales Quantity Market Share by Country (2021-2032)

Figure 85. Middle East & Africa Automotive 6-Axis IMU Consumption Value Market Share by Country (2021-2032)

Figure 86. Turkey Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 87. Egypt Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 88. Saudi Arabia Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

Figure 89. South Africa Automotive 6-Axis IMU Consumption Value (2021-2032) & (USD Million)

- Figure 90. Automotive 6-Axis IMU Market Drivers
- Figure 91. Automotive 6-Axis IMU Market Restraints
- Figure 92. Automotive 6-Axis IMU Market Trends
- Figure 93. Porters Five Forces Analysis
- Figure 94. Manufacturing Cost Structure Analysis of Automotive 6-Axis IMU in 2025
- Figure 95. Manufacturing Process Analysis of Automotive 6-Axis IMU
- Figure 96. Automotive 6-Axis IMU Industrial Chain
- Figure 97. Sales Channel: Direct to End-User vs Distributors
- Figure 98. Direct Channel Pros & Cons
- Figure 99. Indirect Channel Pros & Cons
- Figure 100. Methodology
- Figure 101. Research Process and Data Source

I would like to order

Product name: Global Automotive 6-Axis IMU Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G7010F918AB1EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7010F918AB1EN.html>