

Covid-19 Impact on Global Personal Navigation Assistant (PNA) Market Insights, Forecast to 2026

<https://marketpublishers.com/r/C5FB875CA751EN.html>

Date: July 2020

Pages: 114

Price: US\$ 4,900.00 (Single User License)

ID: C5FB875CA751EN

Abstracts

Personal Navigation Assistant (PNA) is a portable electronic product which combines a positioning capability (such as GPS) and navigation functions.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Personal Navigation Assistant (PNA) market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Personal Navigation Assistant (PNA) industry.

Based on our recent survey, we have several different scenarios about the Personal Navigation Assistant (PNA) YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ xx million in 2019. The market size of Personal Navigation Assistant (PNA) will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Personal Navigation Assistant (PNA) market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the

overall size of the global Personal Navigation Assistant (PNA) market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Personal Navigation Assistant (PNA) market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global Personal Navigation Assistant (PNA) market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global Personal Navigation Assistant (PNA) market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Personal Navigation Assistant (PNA) market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, U.A.E, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Personal Navigation Assistant (PNA) market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Personal Navigation Assistant (PNA) market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Personal Navigation Assistant (PNA) market.

The following manufacturers are covered in this report:

Alpine Electronics

Garmin

Pioneer

TomTom

Continental

Kenwood

SAMSUNG

Shanghai Botai Group

Guangzhou FlyAudio

Ouhua Electronics

Skypine Electronics (Shenzhen)

Coagent Electronics S&T

ShenZhen RoadRover Technology

Personal Navigation Assistant (PNA) Breakdown Data by Type

Car Sat Navigation

Motorcycle Sat Navigation

Camper Sat Navigation

Others

Personal Navigation Assistant (PNA) Breakdown Data by Application

OEMs

Aftermarket

Contents

1 STUDY COVERAGE

- 1.1 Personal Navigation Assistant (PNA) Product Introduction
- 1.2 Key Market Segments in This Study
- 1.3 Key Manufacturers Covered: Ranking of Global Top Personal Navigation Assistant (PNA) Manufacturers by Revenue in 2019
- 1.4 Market by Type
 - 1.4.1 Global Personal Navigation Assistant (PNA) Market Size Growth Rate by Type
 - 1.4.2 Car Sat Navigation
 - 1.4.3 Motorcycle Sat Navigation
 - 1.4.4 Camper Sat Navigation
 - 1.4.5 Others
- 1.5 Market by Application
 - 1.5.1 Global Personal Navigation Assistant (PNA) Market Size Growth Rate by Application
 - 1.5.2 OEMs
 - 1.5.3 Aftermarket
- 1.6 Coronavirus Disease 2019 (Covid-19): Personal Navigation Assistant (PNA) Industry Impact
 - 1.6.1 How the Covid-19 is Affecting the Personal Navigation Assistant (PNA) Industry
 - 1.6.1.1 Personal Navigation Assistant (PNA) Business Impact Assessment - Covid-19
 - 1.6.1.2 Supply Chain Challenges
 - 1.6.1.3 COVID-19's Impact On Crude Oil and Refined Products
 - 1.6.2 Market Trends and Personal Navigation Assistant (PNA) Potential Opportunities in the COVID-19 Landscape
 - 1.6.3 Measures / Proposal against Covid-19
 - 1.6.3.1 Government Measures to Combat Covid-19 Impact
 - 1.6.3.2 Proposal for Personal Navigation Assistant (PNA) Players to Combat Covid-19 Impact
- 1.7 Study Objectives
- 1.8 Years Considered

2 EXECUTIVE SUMMARY

- 2.1 Global Personal Navigation Assistant (PNA) Market Size Estimates and Forecasts
 - 2.1.1 Global Personal Navigation Assistant (PNA) Revenue Estimates and Forecasts 2015-2026

- 2.1.2 Global Personal Navigation Assistant (PNA) Production Capacity Estimates and Forecasts 2015-2026
- 2.1.3 Global Personal Navigation Assistant (PNA) Production Estimates and Forecasts 2015-2026
- 2.2 Global Personal Navigation Assistant (PNA) Market Size by Producing Regions: 2015 VS 2020 VS 2026
- 2.3 Analysis of Competitive Landscape
 - 2.3.1 Manufacturers Market Concentration Ratio (CR5 and HHI)
 - 2.3.2 Global Personal Navigation Assistant (PNA) Market Share by Company Type (Tier 1, Tier 2 and Tier 3)
 - 2.3.3 Global Personal Navigation Assistant (PNA) Manufacturers Geographical Distribution
- 2.4 Key Trends for Personal Navigation Assistant (PNA) Markets & Products
- 2.5 Primary Interviews with Key Personal Navigation Assistant (PNA) Players (Opinion Leaders)

3 MARKET SIZE BY MANUFACTURERS

- 3.1 Global Top Personal Navigation Assistant (PNA) Manufacturers by Production Capacity
 - 3.1.1 Global Top Personal Navigation Assistant (PNA) Manufacturers by Production Capacity (2015-2020)
 - 3.1.2 Global Top Personal Navigation Assistant (PNA) Manufacturers by Production (2015-2020)
 - 3.1.3 Global Top Personal Navigation Assistant (PNA) Manufacturers Market Share by Production
- 3.2 Global Top Personal Navigation Assistant (PNA) Manufacturers by Revenue
 - 3.2.1 Global Top Personal Navigation Assistant (PNA) Manufacturers by Revenue (2015-2020)
 - 3.2.2 Global Top Personal Navigation Assistant (PNA) Manufacturers Market Share by Revenue (2015-2020)
 - 3.2.3 Global Top 10 and Top 5 Companies by Personal Navigation Assistant (PNA) Revenue in 2019
- 3.3 Global Personal Navigation Assistant (PNA) Price by Manufacturers
- 3.4 Mergers & Acquisitions, Expansion Plans

4 PERSONAL NAVIGATION ASSISTANT (PNA) PRODUCTION BY REGIONS

- 4.1 Global Personal Navigation Assistant (PNA) Historic Market Facts & Figures by

Regions

4.1.1 Global Top Personal Navigation Assistant (PNA) Regions by Production (2015-2020)

4.1.2 Global Top Personal Navigation Assistant (PNA) Regions by Revenue (2015-2020)

4.2 North America

4.2.1 North America Personal Navigation Assistant (PNA) Production (2015-2020)

4.2.2 North America Personal Navigation Assistant (PNA) Revenue (2015-2020)

4.2.3 Key Players in North America

4.2.4 North America Personal Navigation Assistant (PNA) Import & Export (2015-2020)

4.3 Europe

4.3.1 Europe Personal Navigation Assistant (PNA) Production (2015-2020)

4.3.2 Europe Personal Navigation Assistant (PNA) Revenue (2015-2020)

4.3.3 Key Players in Europe

4.3.4 Europe Personal Navigation Assistant (PNA) Import & Export (2015-2020)

4.4 China

4.4.1 China Personal Navigation Assistant (PNA) Production (2015-2020)

4.4.2 China Personal Navigation Assistant (PNA) Revenue (2015-2020)

4.4.3 Key Players in China

4.4.4 China Personal Navigation Assistant (PNA) Import & Export (2015-2020)

4.5 Japan

4.5.1 Japan Personal Navigation Assistant (PNA) Production (2015-2020)

4.5.2 Japan Personal Navigation Assistant (PNA) Revenue (2015-2020)

4.5.3 Key Players in Japan

4.5.4 Japan Personal Navigation Assistant (PNA) Import & Export (2015-2020)

5 PERSONAL NAVIGATION ASSISTANT (PNA) CONSUMPTION BY REGION

5.1 Global Top Personal Navigation Assistant (PNA) Regions by Consumption

5.1.1 Global Top Personal Navigation Assistant (PNA) Regions by Consumption (2015-2020)

5.1.2 Global Top Personal Navigation Assistant (PNA) Regions Market Share by Consumption (2015-2020)

5.2 North America

5.2.1 North America Personal Navigation Assistant (PNA) Consumption by Application

5.2.2 North America Personal Navigation Assistant (PNA) Consumption by Countries

5.2.3 U.S.

5.2.4 Canada

5.3 Europe

5.3.1 Europe Personal Navigation Assistant (PNA) Consumption by Application

5.3.2 Europe Personal Navigation Assistant (PNA) Consumption by Countries

5.3.3 Germany

5.3.4 France

5.3.5 U.K.

5.3.6 Italy

5.3.7 Russia

5.4 Asia Pacific

5.4.1 Asia Pacific Personal Navigation Assistant (PNA) Consumption by Application

5.4.2 Asia Pacific Personal Navigation Assistant (PNA) Consumption by Regions

5.4.3 China

5.4.4 Japan

5.4.5 South Korea

5.4.6 India

5.4.7 Australia

5.4.8 Taiwan

5.4.9 Indonesia

5.4.10 Thailand

5.4.11 Malaysia

5.4.12 Philippines

5.4.13 Vietnam

5.5 Central & South America

5.5.1 Central & South America Personal Navigation Assistant (PNA) Consumption by Application

5.5.2 Central & South America Personal Navigation Assistant (PNA) Consumption by Country

5.5.3 Mexico

5.5.3 Brazil

5.5.3 Argentina

5.6 Middle East and Africa

5.6.1 Middle East and Africa Personal Navigation Assistant (PNA) Consumption by Application

5.6.2 Middle East and Africa Personal Navigation Assistant (PNA) Consumption by Countries

5.6.3 Turkey

5.6.4 Saudi Arabia

5.6.5 U.A.E

6 MARKET SIZE BY TYPE (2015-2026)

6.1 Global Personal Navigation Assistant (PNA) Market Size by Type (2015-2020)

6.1.1 Global Personal Navigation Assistant (PNA) Production by Type (2015-2020)

6.1.2 Global Personal Navigation Assistant (PNA) Revenue by Type (2015-2020)

6.1.3 Personal Navigation Assistant (PNA) Price by Type (2015-2020)

6.2 Global Personal Navigation Assistant (PNA) Market Forecast by Type (2021-2026)

6.2.1 Global Personal Navigation Assistant (PNA) Production Forecast by Type (2021-2026)

6.2.2 Global Personal Navigation Assistant (PNA) Revenue Forecast by Type (2021-2026)

6.2.3 Global Personal Navigation Assistant (PNA) Price Forecast by Type (2021-2026)

6.3 Global Personal Navigation Assistant (PNA) Market Share by Price Tier (2015-2020): Low-End, Mid-Range and High-End

7 MARKET SIZE BY APPLICATION (2015-2026)

7.2.1 Global Personal Navigation Assistant (PNA) Consumption Historic Breakdown by Application (2015-2020)

7.2.2 Global Personal Navigation Assistant (PNA) Consumption Forecast by Application (2021-2026)

8 CORPORATE PROFILES

8.1 Alpine Electronics

8.1.1 Alpine Electronics Corporation Information

8.1.2 Alpine Electronics Overview and Its Total Revenue

8.1.3 Alpine Electronics Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.1.4 Alpine Electronics Product Description

8.1.5 Alpine Electronics Recent Development

8.2 Garmin

8.2.1 Garmin Corporation Information

8.2.2 Garmin Overview and Its Total Revenue

8.2.3 Garmin Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.2.4 Garmin Product Description

8.2.5 Garmin Recent Development

8.3 Pioneer

8.3.1 Pioneer Corporation Information

- 8.3.2 Pioneer Overview and Its Total Revenue
- 8.3.3 Pioneer Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
- 8.3.4 Pioneer Product Description
- 8.3.5 Pioneer Recent Development
- 8.4 TomTom
 - 8.4.1 TomTom Corporation Information
 - 8.4.2 TomTom Overview and Its Total Revenue
 - 8.4.3 TomTom Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.4.4 TomTom Product Description
 - 8.4.5 TomTom Recent Development
- 8.5 Continental
 - 8.5.1 Continental Corporation Information
 - 8.5.2 Continental Overview and Its Total Revenue
 - 8.5.3 Continental Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.5.4 Continental Product Description
 - 8.5.5 Continental Recent Development
- 8.6 Kenwood
 - 8.6.1 Kenwood Corporation Information
 - 8.6.2 Kenwood Overview and Its Total Revenue
 - 8.6.3 Kenwood Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.6.4 Kenwood Product Description
 - 8.6.5 Kenwood Recent Development
- 8.7 SAMSUNG
 - 8.7.1 SAMSUNG Corporation Information
 - 8.7.2 SAMSUNG Overview and Its Total Revenue
 - 8.7.3 SAMSUNG Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.7.4 SAMSUNG Product Description
 - 8.7.5 SAMSUNG Recent Development
- 8.8 Shanghai Botai Group
 - 8.8.1 Shanghai Botai Group Corporation Information
 - 8.8.2 Shanghai Botai Group Overview and Its Total Revenue
 - 8.8.3 Shanghai Botai Group Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.8.4 Shanghai Botai Group Product Description

- 8.8.5 Shanghai Botai Group Recent Development
- 8.9 Guangzhou FlyAudio
 - 8.9.1 Guangzhou FlyAudio Corporation Information
 - 8.9.2 Guangzhou FlyAudio Overview and Its Total Revenue
 - 8.9.3 Guangzhou FlyAudio Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.9.4 Guangzhou FlyAudio Product Description
 - 8.9.5 Guangzhou FlyAudio Recent Development
- 8.10 Ouhua Electronics
 - 8.10.1 Ouhua Electronics Corporation Information
 - 8.10.2 Ouhua Electronics Overview and Its Total Revenue
 - 8.10.3 Ouhua Electronics Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.10.4 Ouhua Electronics Product Description
 - 8.10.5 Ouhua Electronics Recent Development
- 8.11 Skypine Electronics (Shenzhen)
 - 8.11.1 Skypine Electronics (Shenzhen) Corporation Information
 - 8.11.2 Skypine Electronics (Shenzhen) Overview and Its Total Revenue
 - 8.11.3 Skypine Electronics (Shenzhen) Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.11.4 Skypine Electronics (Shenzhen) Product Description
 - 8.11.5 Skypine Electronics (Shenzhen) Recent Development
- 8.12 Coagent Electronics S&T
 - 8.12.1 Coagent Electronics S&T Corporation Information
 - 8.12.2 Coagent Electronics S&T Overview and Its Total Revenue
 - 8.12.3 Coagent Electronics S&T Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.12.4 Coagent Electronics S&T Product Description
 - 8.12.5 Coagent Electronics S&T Recent Development
- 8.13 ShenZhen RoadRover Technology
 - 8.13.1 ShenZhen RoadRover Technology Corporation Information
 - 8.13.2 ShenZhen RoadRover Technology Overview and Its Total Revenue
 - 8.13.3 ShenZhen RoadRover Technology Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.13.4 ShenZhen RoadRover Technology Product Description
 - 8.13.5 ShenZhen RoadRover Technology Recent Development

9 PRODUCTION FORECASTS BY REGIONS

9.1 Global Top Personal Navigation Assistant (PNA) Regions Forecast by Revenue (2021-2026)

9.2 Global Top Personal Navigation Assistant (PNA) Regions Forecast by Production (2021-2026)

9.3 Key Personal Navigation Assistant (PNA) Production Regions Forecast

9.3.1 North America

9.3.2 Europe

9.3.3 China

9.3.4 Japan

10 PERSONAL NAVIGATION ASSISTANT (PNA) CONSUMPTION FORECAST BY REGION

10.1 Global Personal Navigation Assistant (PNA) Consumption Forecast by Region (2021-2026)

10.2 North America Personal Navigation Assistant (PNA) Consumption Forecast by Region (2021-2026)

10.3 Europe Personal Navigation Assistant (PNA) Consumption Forecast by Region (2021-2026)

10.4 Asia Pacific Personal Navigation Assistant (PNA) Consumption Forecast by Region (2021-2026)

10.5 Latin America Personal Navigation Assistant (PNA) Consumption Forecast by Region (2021-2026)

10.6 Middle East and Africa Personal Navigation Assistant (PNA) Consumption Forecast by Region (2021-2026)

11 VALUE CHAIN AND SALES CHANNELS ANALYSIS

11.1 Value Chain Analysis

11.2 Sales Channels Analysis

11.2.1 Personal Navigation Assistant (PNA) Sales Channels

11.2.2 Personal Navigation Assistant (PNA) Distributors

11.3 Personal Navigation Assistant (PNA) Customers

12 MARKET OPPORTUNITIES & CHALLENGES, RISKS AND INFLUENCES FACTORS ANALYSIS

12.1 Market Opportunities and Drivers

12.2 Market Challenges

12.3 Market Risks/Restraints

12.4 Porter's Five Forces Analysis

13 KEY FINDING IN THE GLOBAL PERSONAL NAVIGATION ASSISTANT (PNA) STUDY

14 APPENDIX

14.1 Research Methodology

14.1.1 Methodology/Research Approach

14.1.2 Data Source

14.2 Author Details

14.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Personal Navigation Assistant (PNA) Key Market Segments in This Study

Table 2. Ranking of Global Top Personal Navigation Assistant (PNA) Manufacturers by Revenue (US\$ Million) in 2019

Table 3. Global Personal Navigation Assistant (PNA) Market Size Growth Rate by Type 2020-2026 (M Units) (Million US\$)

Table 4. Major Manufacturers of Car Sat Navigation

Table 5. Major Manufacturers of Motorcycle Sat Navigation

Table 6. Major Manufacturers of Camper Sat Navigation

Table 7. Major Manufacturers of Others

Table 8. COVID-19 Impact Global Market: (Four Personal Navigation Assistant (PNA) Market Size Forecast Scenarios)

Table 9. Opportunities and Trends for Personal Navigation Assistant (PNA) Players in the COVID-19 Landscape

Table 10. Present Opportunities in China & Elsewhere Due to the Coronavirus Crisis

Table 11. Key Regions/Countries Measures against Covid-19 Impact

Table 12. Proposal for Personal Navigation Assistant (PNA) Players to Combat Covid-19 Impact

Table 13. Global Personal Navigation Assistant (PNA) Market Size Growth Rate by Application 2020-2026 (M Units)

Table 14. Global Personal Navigation Assistant (PNA) Market Size by Region in US\$ Million: 2015 VS 2020 VS 2026

Table 15. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 16. Global Personal Navigation Assistant (PNA) by Company Type (Tier 1, Tier 2 and Tier 3) (based on the Revenue in Personal Navigation Assistant (PNA) as of 2019)

Table 17. Personal Navigation Assistant (PNA) Manufacturing Base Distribution and Headquarters

Table 18. Manufacturers Personal Navigation Assistant (PNA) Product Offered

Table 19. Date of Manufacturers Enter into Personal Navigation Assistant (PNA) Market

Table 20. Key Trends for Personal Navigation Assistant (PNA) Markets & Products

Table 21. Main Points Interviewed from Key Personal Navigation Assistant (PNA) Players

Table 22. Global Personal Navigation Assistant (PNA) Production Capacity by Manufacturers (2015-2020) (M Units)

Table 23. Global Personal Navigation Assistant (PNA) Production Share by Manufacturers (2015-2020)

Table 24. Personal Navigation Assistant (PNA) Revenue by Manufacturers (2015-2020) (Million US\$)

Table 25. Personal Navigation Assistant (PNA) Revenue Share by Manufacturers (2015-2020)

Table 26. Personal Navigation Assistant (PNA) Price by Manufacturers 2015-2020 (M USD/M Unit)

Table 27. Mergers & Acquisitions, Expansion Plans

Table 28. Global Personal Navigation Assistant (PNA) Production by Regions (2015-2020) (M Units)

Table 29. Global Personal Navigation Assistant (PNA) Production Market Share by Regions (2015-2020)

Table 30. Global Personal Navigation Assistant (PNA) Revenue by Regions (2015-2020) (US\$ Million)

Table 31. Global Personal Navigation Assistant (PNA) Revenue Market Share by Regions (2015-2020)

Table 32. Key Personal Navigation Assistant (PNA) Players in North America

Table 33. Import & Export of Personal Navigation Assistant (PNA) in North America (M Units)

Table 34. Key Personal Navigation Assistant (PNA) Players in Europe

Table 35. Import & Export of Personal Navigation Assistant (PNA) in Europe (M Units)

Table 36. Key Personal Navigation Assistant (PNA) Players in China

Table 37. Import & Export of Personal Navigation Assistant (PNA) in China (M Units)

Table 38. Key Personal Navigation Assistant (PNA) Players in Japan

Table 39. Import & Export of Personal Navigation Assistant (PNA) in Japan (M Units)

Table 40. Global Personal Navigation Assistant (PNA) Consumption by Regions (2015-2020) (M Units)

Table 41. Global Personal Navigation Assistant (PNA) Consumption Market Share by Regions (2015-2020)

Table 42. North America Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 43. North America Personal Navigation Assistant (PNA) Consumption by Countries (2015-2020) (M Units)

Table 44. Europe Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 45. Europe Personal Navigation Assistant (PNA) Consumption by Countries (2015-2020) (M Units)

Table 46. Asia Pacific Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 47. Asia Pacific Personal Navigation Assistant (PNA) Consumption Market Share

by Application (2015-2020) (M Units)

Table 48. Asia Pacific Personal Navigation Assistant (PNA) Consumption by Regions (2015-2020) (M Units)

Table 49. Latin America Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 50. Latin America Personal Navigation Assistant (PNA) Consumption by Countries (2015-2020) (M Units)

Table 51. Middle East and Africa Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 52. Middle East and Africa Personal Navigation Assistant (PNA) Consumption by Countries (2015-2020) (M Units)

Table 53. Global Personal Navigation Assistant (PNA) Production by Type (2015-2020) (M Units)

Table 54. Global Personal Navigation Assistant (PNA) Production Share by Type (2015-2020)

Table 55. Global Personal Navigation Assistant (PNA) Revenue by Type (2015-2020) (Million US\$)

Table 56. Global Personal Navigation Assistant (PNA) Revenue Share by Type (2015-2020)

Table 57. Personal Navigation Assistant (PNA) Price by Type 2015-2020 (M USD/M Unit)

Table 58. Global Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 59. Global Personal Navigation Assistant (PNA) Consumption by Application (2015-2020) (M Units)

Table 60. Global Personal Navigation Assistant (PNA) Consumption Share by Application (2015-2020)

Table 61. Alpine Electronics Corporation Information

Table 62. Alpine Electronics Description and Major Businesses

Table 63. Alpine Electronics Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 64. Alpine Electronics Product

Table 65. Alpine Electronics Recent Development

Table 66. Garmin Corporation Information

Table 67. Garmin Description and Major Businesses

Table 68. Garmin Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 69. Garmin Product

Table 70. Garmin Recent Development

- Table 71. Pioneer Corporation Information
- Table 72. Pioneer Description and Major Businesses
- Table 73. Pioneer Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)
- Table 74. Pioneer Product
- Table 75. Pioneer Recent Development
- Table 76. TomTom Corporation Information
- Table 77. TomTom Description and Major Businesses
- Table 78. TomTom Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)
- Table 79. TomTom Product
- Table 80. TomTom Recent Development
- Table 81. Continental Corporation Information
- Table 82. Continental Description and Major Businesses
- Table 83. Continental Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)
- Table 84. Continental Product
- Table 85. Continental Recent Development
- Table 86. Kenwood Corporation Information
- Table 87. Kenwood Description and Major Businesses
- Table 88. Kenwood Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)
- Table 89. Kenwood Product
- Table 90. Kenwood Recent Development
- Table 91. SAMSUNG Corporation Information
- Table 92. SAMSUNG Description and Major Businesses
- Table 93. SAMSUNG Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)
- Table 94. SAMSUNG Product
- Table 95. SAMSUNG Recent Development
- Table 96. Shanghai Botai Group Corporation Information
- Table 97. Shanghai Botai Group Description and Major Businesses
- Table 98. Shanghai Botai Group Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)
- Table 99. Shanghai Botai Group Product
- Table 100. Shanghai Botai Group Recent Development
- Table 101. Guangzhou FlyAudio Corporation Information
- Table 102. Guangzhou FlyAudio Description and Major Businesses
- Table 103. Guangzhou FlyAudio Personal Navigation Assistant (PNA) Production (M

Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 104. Guangzhou FlyAudio Product

Table 105. Guangzhou FlyAudio Recent Development

Table 106. Ouhua Electronics Corporation Information

Table 107. Ouhua Electronics Description and Major Businesses

Table 108. Ouhua Electronics Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 109. Ouhua Electronics Product

Table 110. Ouhua Electronics Recent Development

Table 111. Skypine Electronics (Shenzhen) Corporation Information

Table 112. Skypine Electronics (Shenzhen) Description and Major Businesses

Table 113. Skypine Electronics (Shenzhen) Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 114. Skypine Electronics (Shenzhen) Product

Table 115. Skypine Electronics (Shenzhen) Recent Development

Table 116. Coagent Electronics S&T Corporation Information

Table 117. Coagent Electronics S&T Description and Major Businesses

Table 118. Coagent Electronics S&T Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 119. Coagent Electronics S&T Product

Table 120. Coagent Electronics S&T Recent Development

Table 121. ShenZhen RoadRover Technology Corporation Information

Table 122. ShenZhen RoadRover Technology Description and Major Businesses

Table 123. ShenZhen RoadRover Technology Personal Navigation Assistant (PNA) Production (M Units), Revenue (US\$ Million), Price (M USD/M Unit) and Gross Margin (2015-2020)

Table 124. ShenZhen RoadRover Technology Product

Table 125. ShenZhen RoadRover Technology Recent Development

Table 126. Global Personal Navigation Assistant (PNA) Revenue Forecast by Region (2021-2026) (Million US\$)

Table 127. Global Personal Navigation Assistant (PNA) Production Forecast by Regions (2021-2026) (M Units)

Table 128. Global Personal Navigation Assistant (PNA) Production Forecast by Type (2021-2026) (M Units)

Table 129. Global Personal Navigation Assistant (PNA) Revenue Forecast by Type (2021-2026) (Million US\$)

Table 130. North America Personal Navigation Assistant (PNA) Consumption Forecast by Regions (2021-2026) (M Units)

Table 131. Europe Personal Navigation Assistant (PNA) Consumption Forecast by Regions (2021-2026) (M Units)

Table 132. Asia Pacific Personal Navigation Assistant (PNA) Consumption Forecast by Regions (2021-2026) (M Units)

Table 133. Latin America Personal Navigation Assistant (PNA) Consumption Forecast by Regions (2021-2026) (M Units)

Table 134. Middle East and Africa Personal Navigation Assistant (PNA) Consumption Forecast by Regions (2021-2026) (M Units)

Table 135. Personal Navigation Assistant (PNA) Distributors List

Table 136. Personal Navigation Assistant (PNA) Customers List

Table 137. Key Opportunities and Drivers: Impact Analysis (2021-2026)

Table 138. Key Challenges

Table 139. Market Risks

Table 140. Research Programs/Design for This Report

Table 141. Key Data Information from Secondary Sources

Table 142. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Personal Navigation Assistant (PNA) Product Picture
- Figure 2. Global Personal Navigation Assistant (PNA) Production Market Share by Type in 2020 & 2026
- Figure 3. Car Sat Navigation Product Picture
- Figure 4. Motorcycle Sat Navigation Product Picture
- Figure 5. Camper Sat Navigation Product Picture
- Figure 6. Others Product Picture
- Figure 7. Global Personal Navigation Assistant (PNA) Consumption Market Share by Application in 2020 & 2026
- Figure 8. OEMs
- Figure 9. Aftermarket
- Figure 10. Personal Navigation Assistant (PNA) Report Years Considered
- Figure 11. Global Personal Navigation Assistant (PNA) Revenue 2015-2026 (Million US\$)
- Figure 12. Global Personal Navigation Assistant (PNA) Production Capacity 2015-2026 (M Units)
- Figure 13. Global Personal Navigation Assistant (PNA) Production 2015-2026 (M Units)
- Figure 14. Global Personal Navigation Assistant (PNA) Market Share Scenario by Region in Percentage: 2020 Versus 2026
- Figure 15. Personal Navigation Assistant (PNA) Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2015 VS 2019
- Figure 16. Global Personal Navigation Assistant (PNA) Production Share by Manufacturers in 2015
- Figure 17. The Top 10 and Top 5 Players Market Share by Personal Navigation Assistant (PNA) Revenue in 2019
- Figure 18. Global Personal Navigation Assistant (PNA) Production Market Share by Region (2015-2020)
- Figure 19. Personal Navigation Assistant (PNA) Production Growth Rate in North America (2015-2020) (M Units)
- Figure 20. Personal Navigation Assistant (PNA) Revenue Growth Rate in North America (2015-2020) (US\$ Million)
- Figure 21. Personal Navigation Assistant (PNA) Production Growth Rate in Europe (2015-2020) (M Units)
- Figure 22. Personal Navigation Assistant (PNA) Revenue Growth Rate in Europe (2015-2020) (US\$ Million)

Figure 23. Personal Navigation Assistant (PNA) Production Growth Rate in China (2015-2020) (M Units)

Figure 24. Personal Navigation Assistant (PNA) Revenue Growth Rate in China (2015-2020) (US\$ Million)

Figure 25. Personal Navigation Assistant (PNA) Production Growth Rate in Japan (2015-2020) (M Units)

Figure 26. Personal Navigation Assistant (PNA) Revenue Growth Rate in Japan (2015-2020) (US\$ Million)

Figure 27. Global Personal Navigation Assistant (PNA) Consumption Market Share by Regions 2015-2020

Figure 28. North America Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 29. North America Personal Navigation Assistant (PNA) Consumption Market Share by Application in 2019

Figure 30. North America Personal Navigation Assistant (PNA) Consumption Market Share by Countries in 2019

Figure 31. U.S. Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 32. Canada Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 33. Europe Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 34. Europe Personal Navigation Assistant (PNA) Consumption Market Share by Application in 2019

Figure 35. Europe Personal Navigation Assistant (PNA) Consumption Market Share by Countries in 2019

Figure 36. Germany Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 37. France Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 38. U.K. Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 39. Italy Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 40. Russia Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 41. Asia Pacific Personal Navigation Assistant (PNA) Consumption and Growth Rate (M Units)

Figure 42. Asia Pacific Personal Navigation Assistant (PNA) Consumption Market Share

by Application in 2019

Figure 43. Asia Pacific Personal Navigation Assistant (PNA) Consumption Market Share by Regions in 2019

Figure 44. China Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 45. Japan Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 46. South Korea Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 47. India Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 48. Australia Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 49. Taiwan Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 50. Indonesia Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 51. Thailand Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 52. Malaysia Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 53. Philippines Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 54. Vietnam Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 55. Latin America Personal Navigation Assistant (PNA) Consumption and Growth Rate (M Units)

Figure 56. Latin America Personal Navigation Assistant (PNA) Consumption Market Share by Application in 2019

Figure 57. Latin America Personal Navigation Assistant (PNA) Consumption Market Share by Countries in 2019

Figure 58. Mexico Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 59. Brazil Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 60. Argentina Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 61. Middle East and Africa Personal Navigation Assistant (PNA) Consumption and Growth Rate (M Units)

Figure 62. Middle East and Africa Personal Navigation Assistant (PNA) Consumption Market Share by Application in 2019

Figure 63. Middle East and Africa Personal Navigation Assistant (PNA) Consumption Market Share by Countries in 2019

Figure 64. Turkey Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 65. Saudi Arabia Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 66. U.A.E Personal Navigation Assistant (PNA) Consumption and Growth Rate (2015-2020) (M Units)

Figure 67. Global Personal Navigation Assistant (PNA) Production Market Share by Type (2015-2020)

Figure 68. Global Personal Navigation Assistant (PNA) Production Market Share by Type in 2019

Figure 69. Global Personal Navigation Assistant (PNA) Revenue Market Share by Type (2015-2020)

Figure 70. Global Personal Navigation Assistant (PNA) Revenue Market Share by Type in 2019

Figure 71. Global Personal Navigation Assistant (PNA) Production Market Share Forecast by Type (2021-2026)

Figure 72. Global Personal Navigation Assistant (PNA) Revenue Market Share Forecast by Type (2021-2026)

Figure 73. Global Personal Navigation Assistant (PNA) Market Share by Price Range (2015-2020)

Figure 74. Global Personal Navigation Assistant (PNA) Consumption Market Share by Application (2015-2020)

Figure 75. Global Personal Navigation Assistant (PNA) Value (Consumption) Market Share by Application (2015-2020)

Figure 76. Global Personal Navigation Assistant (PNA) Consumption Market Share Forecast by Application (2021-2026)

Figure 77. Alpine Electronics Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 78. Garmin Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 79. Pioneer Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 80. TomTom Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 81. Continental Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 82. Kenwood Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 83. SAMSUNG Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 84. Shanghai Botai Group Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 85. Guangzhou FlyAudio Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 86. Ouhua Electronics Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 87. Skypine Electronics (Shenzhen) Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 88. Coagent Electronics S&T Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 89. ShenZhen RoadRover Technology Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 90. Global Personal Navigation Assistant (PNA) Revenue Forecast by Regions (2021-2026) (US\$ Million)

Figure 91. Global Personal Navigation Assistant (PNA) Revenue Market Share Forecast by Regions ((2021-2026))

Figure 92. Global Personal Navigation Assistant (PNA) Production Forecast by Regions (2021-2026) (M Units)

Figure 93. North America Personal Navigation Assistant (PNA) Production Forecast (2021-2026) (M Units)

Figure 94. North America Personal Navigation Assistant (PNA) Revenue Forecast (2021-2026) (US\$ Million)

Figure 95. Europe Personal Navigation Assistant (PNA) Production Forecast (2021-2026) (M Units)

Figure 96. Europe Personal Navigation Assistant (PNA) Revenue Forecast (2021-2026) (US\$ Million)

Figure 97. China Personal Navigation Assistant (PNA) Production Forecast (2021-2026) (M Units)

Figure 98. China Personal Navigation Assistant (PNA) Revenue Forecast (2021-2026) (US\$ Million)

Figure 99. Japan Personal Navigation Assistant (PNA) Production Forecast (2021-2026) (M Units)

Figure 100. Japan Personal Navigation Assistant (PNA) Revenue Forecast (2021-2026) (US\$ Million)

Figure 101. Global Personal Navigation Assistant (PNA) Consumption Market Share Forecast by Region (2021-2026)

Figure 102. Personal Navigation Assistant (PNA) Value Chain

Figure 103. Channels of Distribution

Figure 104. Distributors Profiles

Figure 105. Porter's Five Forces Analysis

Figure 106. Bottom-up and Top-down Approaches for This Report

Figure 107. Data Triangulation

Figure 108. Key Executives Interviewed

I would like to order

Product name: Covid-19 Impact on Global Personal Navigation Assistant (PNA) Market Insights, Forecast to 2026

Product link: <https://marketpublishers.com/r/C5FB875CA751EN.html>

Price: US\$ 4,900.00 (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/C5FB875CA751EN.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

