

Global Low-power Multi-core Digital Signal Processor Market Growth 2026-2032

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Abstracts

The global Low-power Multi-core Digital Signal Processor market size is predicted to grow from US\$ 689 million in 2025 to US\$ 919 million in 2032; it is expected to grow at a CAGR of 4.3% from 2026 to 2032.

Low-power multi-core digital signal processor is digital signal processing technology, and DSP chip refers to a chip that can realize digital signal processing technology. The interior of the DSP chip adopts the Harvard structure that separates the program and data, has a special hardware multiplier, widely uses pipeline operations, and provides special DSP instructions, which can be used to quickly implement various digital signal processing algorithms.

United States market for Low-power Multi-core Digital Signal Processor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Low-power Multi-core Digital Signal Processor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Low-power Multi-core Digital Signal Processor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Low-power Multi-core Digital Signal Processor players cover Texas Instruments, Adeno, NXP, STMicroelectronics, Cirrus Logic, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Low-power Multi-core Digital Signal Processor Industry Forecast" looks at past sales and reviews total world Low-power Multi-core Digital Signal Processor sales in 2025, providing a comprehensive analysis by region and market sector of projected Low-power Multi-core Digital Signal Processor sales for 2026 through 2032. With Low-power Multi-core Digital Signal Processor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Low-power Multi-core Digital Signal Processor industry.

This Insight Report provides a comprehensive analysis of the global Low-power Multi-core Digital Signal Processor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Low-power Multi-core Digital Signal Processor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Low-power Multi-core Digital Signal Processor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Low-power Multi-core Digital Signal Processor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Low-power Multi-core Digital Signal Processor.

This report presents a comprehensive overview, market shares, and growth opportunities of Low-power Multi-core Digital Signal Processor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Conventional

Ultra-low Energy Consumption

Segmentation by Application:

Communication Field

Consumer Electronics

Automatic Control Field

Instrumentation Field

Military and Aerospace

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Texas Instruments

Adeno

NXP

STMicroelectronics

Cirrus Logic

Qualcomm

ON Semiconductor

DSP Group

Hunan Jinxin Electronic Technology

Qilong Microelectronics

Guorui Technology

Jiangsu Hongyun Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Low-power Multi-core Digital Signal Processor market?

What factors are driving Low-power Multi-core Digital Signal Processor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Low-power Multi-core Digital Signal Processor market opportunities vary by end market size?

How does Low-power Multi-core Digital Signal Processor break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Low-power Multi-core Digital Signal Processor Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Low-power Multi-core Digital Signal Processor by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Low-power Multi-core Digital Signal Processor by Country/Region, 2021, 2025 & 2032

2.2 Low-power Multi-core Digital Signal Processor Segment by Type

- 2.2.1 Conventional
- 2.2.2 Ultra-low Energy Consumption
- 2.2.3 Low-power Multi-core Digital Signal Processor Sales by Type
 - 2.2.3.1 Global Low-power Multi-core Digital Signal Processor Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Low-power Multi-core Digital Signal Processor Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Low-power Multi-core Digital Signal Processor Sale Price by Type (2021-2026)

2.3 Low-power Multi-core Digital Signal Processor Segment by Application

- 2.3.1 Communication Field
- 2.3.2 Consumer Electronics
- 2.3.3 Automatic Control Field
- 2.3.4 Instrumentation Field
- 2.3.5 Military and Aerospace
- 2.3.6 Others
- 2.3.7 Low-power Multi-core Digital Signal Processor Sales by Application

2.3.7.1 Global Low-power Multi-core Digital Signal Processor Sale Market Share by Application (2021-2026)

2.3.7.2 Global Low-power Multi-core Digital Signal Processor Revenue and Market Share by Application (2021-2026)

2.3.7.3 Global Low-power Multi-core Digital Signal Processor Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Low-power Multi-core Digital Signal Processor Breakdown Data by Company

3.1.1 Global Low-power Multi-core Digital Signal Processor Annual Sales by Company (2021-2026)

3.1.2 Global Low-power Multi-core Digital Signal Processor Sales Market Share by Company (2021-2026)

3.2 Global Low-power Multi-core Digital Signal Processor Annual Revenue by Company (2021-2026)

3.2.1 Global Low-power Multi-core Digital Signal Processor Revenue by Company (2021-2026)

3.2.2 Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Company (2021-2026)

3.3 Global Low-power Multi-core Digital Signal Processor Sale Price by Company

3.4 Key Manufacturers Low-power Multi-core Digital Signal Processor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Low-power Multi-core Digital Signal Processor Product Location Distribution

3.4.2 Players Low-power Multi-core Digital Signal Processor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR LOW-POWER MULTI-CORE DIGITAL SIGNAL PROCESSOR BY GEOGRAPHIC REGION

4.1 World Historic Low-power Multi-core Digital Signal Processor Market Size by Geographic Region (2021-2026)

4.1.1 Global Low-power Multi-core Digital Signal Processor Annual Sales by Geographic Region (2021-2026)

- 4.1.2 Global Low-power Multi-core Digital Signal Processor Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Low-power Multi-core Digital Signal Processor Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Low-power Multi-core Digital Signal Processor Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Low-power Multi-core Digital Signal Processor Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Low-power Multi-core Digital Signal Processor Sales Growth
- 4.4 APAC Low-power Multi-core Digital Signal Processor Sales Growth
- 4.5 Europe Low-power Multi-core Digital Signal Processor Sales Growth
- 4.6 Middle East & Africa Low-power Multi-core Digital Signal Processor Sales Growth

5 AMERICAS

- 5.1 Americas Low-power Multi-core Digital Signal Processor Sales by Country
 - 5.1.1 Americas Low-power Multi-core Digital Signal Processor Sales by Country (2021-2026)
 - 5.1.2 Americas Low-power Multi-core Digital Signal Processor Revenue by Country (2021-2026)
- 5.2 Americas Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026)
- 5.3 Americas Low-power Multi-core Digital Signal Processor Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Low-power Multi-core Digital Signal Processor Sales by Region
 - 6.1.1 APAC Low-power Multi-core Digital Signal Processor Sales by Region (2021-2026)
 - 6.1.2 APAC Low-power Multi-core Digital Signal Processor Revenue by Region (2021-2026)
- 6.2 APAC Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026)
- 6.3 APAC Low-power Multi-core Digital Signal Processor Sales by Application (2021-2026)
- 6.4 China

- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Low-power Multi-core Digital Signal Processor by Country
 - 7.1.1 Europe Low-power Multi-core Digital Signal Processor Sales by Country (2021-2026)
 - 7.1.2 Europe Low-power Multi-core Digital Signal Processor Revenue by Country (2021-2026)
- 7.2 Europe Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026)
- 7.3 Europe Low-power Multi-core Digital Signal Processor Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Low-power Multi-core Digital Signal Processor by Country
 - 8.1.1 Middle East & Africa Low-power Multi-core Digital Signal Processor Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa Low-power Multi-core Digital Signal Processor Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026)
- 8.3 Middle East & Africa Low-power Multi-core Digital Signal Processor Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Low-power Multi-core Digital Signal Processor

10.3 Manufacturing Process Analysis of Low-power Multi-core Digital Signal Processor

10.4 Industry Chain Structure of Low-power Multi-core Digital Signal Processor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Low-power Multi-core Digital Signal Processor Distributors

11.3 Low-power Multi-core Digital Signal Processor Customer

12 WORLD FORECAST REVIEW FOR LOW-POWER MULTI-CORE DIGITAL SIGNAL PROCESSOR BY GEOGRAPHIC REGION

12.1 Global Low-power Multi-core Digital Signal Processor Market Size Forecast by Region

12.1.1 Global Low-power Multi-core Digital Signal Processor Forecast by Region (2027-2032)

12.1.2 Global Low-power Multi-core Digital Signal Processor Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Low-power Multi-core Digital Signal Processor Forecast by Type (2027-2032)

12.7 Global Low-power Multi-core Digital Signal Processor Forecast by Application

(2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Texas Instruments

13.1.1 Texas Instruments Company Information

13.1.2 Texas Instruments Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.1.3 Texas Instruments Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Texas Instruments Main Business Overview

13.1.5 Texas Instruments Latest Developments

13.2 Adeno

13.2.1 Adeno Company Information

13.2.2 Adeno Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.2.3 Adeno Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Adeno Main Business Overview

13.2.5 Adeno Latest Developments

13.3 NXP

13.3.1 NXP Company Information

13.3.2 NXP Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.3.3 NXP Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 NXP Main Business Overview

13.3.5 NXP Latest Developments

13.4 STMicroelectronics

13.4.1 STMicroelectronics Company Information

13.4.2 STMicroelectronics Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.4.3 STMicroelectronics Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 STMicroelectronics Main Business Overview

13.4.5 STMicroelectronics Latest Developments

13.5 Cirrus Logic

13.5.1 Cirrus Logic Company Information

13.5.2 Cirrus Logic Low-power Multi-core Digital Signal Processor Product Portfolios

and Specifications

13.5.3 Cirrus Logic Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Cirrus Logic Main Business Overview

13.5.5 Cirrus Logic Latest Developments

13.6 Qualcomm

13.6.1 Qualcomm Company Information

13.6.2 Qualcomm Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.6.3 Qualcomm Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Qualcomm Main Business Overview

13.6.5 Qualcomm Latest Developments

13.7 ON Semiconductor

13.7.1 ON Semiconductor Company Information

13.7.2 ON Semiconductor Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.7.3 ON Semiconductor Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 ON Semiconductor Main Business Overview

13.7.5 ON Semiconductor Latest Developments

13.8 DSP Group

13.8.1 DSP Group Company Information

13.8.2 DSP Group Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.8.3 DSP Group Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 DSP Group Main Business Overview

13.8.5 DSP Group Latest Developments

13.9 Hunan Jinxin Electronic Technology

13.9.1 Hunan Jinxin Electronic Technology Company Information

13.9.2 Hunan Jinxin Electronic Technology Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

13.9.3 Hunan Jinxin Electronic Technology Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Hunan Jinxin Electronic Technology Main Business Overview

13.9.5 Hunan Jinxin Electronic Technology Latest Developments

13.10 Qilong Microelectronics

13.10.1 Qilong Microelectronics Company Information

- 13.10.2 Qilong Microelectronics Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications
- 13.10.3 Qilong Microelectronics Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.10.4 Qilong Microelectronics Main Business Overview
- 13.10.5 Qilong Microelectronics Latest Developments
- 13.11 Guorui Technology
 - 13.11.1 Guorui Technology Company Information
 - 13.11.2 Guorui Technology Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications
 - 13.11.3 Guorui Technology Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Guorui Technology Main Business Overview
 - 13.11.5 Guorui Technology Latest Developments
- 13.12 Jiangsu Hongyun Technology
 - 13.12.1 Jiangsu Hongyun Technology Company Information
 - 13.12.2 Jiangsu Hongyun Technology Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications
 - 13.12.3 Jiangsu Hongyun Technology Low-power Multi-core Digital Signal Processor Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 Jiangsu Hongyun Technology Main Business Overview
 - 13.12.5 Jiangsu Hongyun Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Low-power Multi-core Digital Signal Processor Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Low-power Multi-core Digital Signal Processor Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Conventional
- Table 4. Major Players of Ultra-low Energy Consumption
- Table 5. Global Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026) & (K Units)
- Table 6. Global Low-power Multi-core Digital Signal Processor Sales Market Share by Type (2021-2026)
- Table 7. Global Low-power Multi-core Digital Signal Processor Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Type (2021-2026)
- Table 9. Global Low-power Multi-core Digital Signal Processor Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 10. Global Low-power Multi-core Digital Signal Processor Sale by Application (2021-2026) & (K Units)
- Table 11. Global Low-power Multi-core Digital Signal Processor Sale Market Share by Application (2021-2026)
- Table 12. Global Low-power Multi-core Digital Signal Processor Revenue by Application (2021-2026) & (\$ million)
- Table 13. Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Application (2021-2026)
- Table 14. Global Low-power Multi-core Digital Signal Processor Sale Price by Application (2021-2026) & (US\$/Unit)
- Table 15. Global Low-power Multi-core Digital Signal Processor Sales by Company (2021-2026) & (K Units)
- Table 16. Global Low-power Multi-core Digital Signal Processor Sales Market Share by Company (2021-2026)
- Table 17. Global Low-power Multi-core Digital Signal Processor Revenue by Company (2021-2026) & (\$ millions)
- Table 18. Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Company (2021-2026)
- Table 19. Global Low-power Multi-core Digital Signal Processor Sale Price by Company

(2021-2026) & (US\$/Unit)

Table 20. Key Manufacturers Low-power Multi-core Digital Signal Processor Producing Area Distribution and Sales Area

Table 21. Players Low-power Multi-core Digital Signal Processor Products Offered

Table 22. Low-power Multi-core Digital Signal Processor Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Low-power Multi-core Digital Signal Processor Sales by Geographic Region (2021-2026) & (K Units)

Table 26. Global Low-power Multi-core Digital Signal Processor Sales Market Share Geographic Region (2021-2026)

Table 27. Global Low-power Multi-core Digital Signal Processor Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 28. Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Geographic Region (2021-2026)

Table 29. Global Low-power Multi-core Digital Signal Processor Sales by Country/Region (2021-2026) & (K Units)

Table 30. Global Low-power Multi-core Digital Signal Processor Sales Market Share by Country/Region (2021-2026)

Table 31. Global Low-power Multi-core Digital Signal Processor Revenue by Country/Region (2021-2026) & (\$ millions)

Table 32. Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Country/Region (2021-2026)

Table 33. Americas Low-power Multi-core Digital Signal Processor Sales by Country (2021-2026) & (K Units)

Table 34. Americas Low-power Multi-core Digital Signal Processor Sales Market Share by Country (2021-2026)

Table 35. Americas Low-power Multi-core Digital Signal Processor Revenue by Country (2021-2026) & (\$ millions)

Table 36. Americas Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026) & (K Units)

Table 37. Americas Low-power Multi-core Digital Signal Processor Sales by Application (2021-2026) & (K Units)

Table 38. APAC Low-power Multi-core Digital Signal Processor Sales by Region (2021-2026) & (K Units)

Table 39. APAC Low-power Multi-core Digital Signal Processor Sales Market Share by Region (2021-2026)

Table 40. APAC Low-power Multi-core Digital Signal Processor Revenue by Region

(2021-2026) & (\$ millions)

Table 41. APAC Low-power Multi-core Digital Signal Processor Sales by Type

(2021-2026) & (K Units)

Table 42. APAC Low-power Multi-core Digital Signal Processor Sales by Application

(2021-2026) & (K Units)

Table 43. Europe Low-power Multi-core Digital Signal Processor Sales by Country

(2021-2026) & (K Units)

Table 44. Europe Low-power Multi-core Digital Signal Processor Revenue by Country

(2021-2026) & (\$ millions)

Table 45. Europe Low-power Multi-core Digital Signal Processor Sales by Type

(2021-2026) & (K Units)

Table 46. Europe Low-power Multi-core Digital Signal Processor Sales by Application

(2021-2026) & (K Units)

Table 47. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales by Country (2021-2026) & (K Units)

Table 48. Middle East & Africa Low-power Multi-core Digital Signal Processor Revenue Market Share by Country (2021-2026)

Table 49. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales by Type (2021-2026) & (K Units)

Table 50. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales by Application (2021-2026) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Low-power Multi-core Digital Signal Processor

Table 52. Key Market Challenges & Risks of Low-power Multi-core Digital Signal Processor

Table 53. Key Industry Trends of Low-power Multi-core Digital Signal Processor

Table 54. Low-power Multi-core Digital Signal Processor Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Low-power Multi-core Digital Signal Processor Distributors List

Table 57. Low-power Multi-core Digital Signal Processor Customer List

Table 58. Global Low-power Multi-core Digital Signal Processor Sales Forecast by Region (2027-2032) & (K Units)

Table 59. Global Low-power Multi-core Digital Signal Processor Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 60. Americas Low-power Multi-core Digital Signal Processor Sales Forecast by Country (2027-2032) & (K Units)

Table 61. Americas Low-power Multi-core Digital Signal Processor Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 62. APAC Low-power Multi-core Digital Signal Processor Sales Forecast by

Region (2027-2032) & (K Units)

Table 63. APAC Low-power Multi-core Digital Signal Processor Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 64. Europe Low-power Multi-core Digital Signal Processor Sales Forecast by Country (2027-2032) & (K Units)

Table 65. Europe Low-power Multi-core Digital Signal Processor Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 66. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales Forecast by Country (2027-2032) & (K Units)

Table 67. Middle East & Africa Low-power Multi-core Digital Signal Processor Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global Low-power Multi-core Digital Signal Processor Sales Forecast by Type (2027-2032) & (K Units)

Table 69. Global Low-power Multi-core Digital Signal Processor Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global Low-power Multi-core Digital Signal Processor Sales Forecast by Application (2027-2032) & (K Units)

Table 71. Global Low-power Multi-core Digital Signal Processor Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Texas Instruments Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 73. Texas Instruments Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 74. Texas Instruments Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 75. Texas Instruments Main Business

Table 76. Texas Instruments Latest Developments

Table 77. Adeno Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 78. Adeno Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 79. Adeno Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 80. Adeno Main Business

Table 81. Adeno Latest Developments

Table 82. NXP Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 83. NXP Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 84. NXP Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. NXP Main Business

Table 86. NXP Latest Developments

Table 87. STMicroelectronics Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 88. STMicroelectronics Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 89. STMicroelectronics Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. STMicroelectronics Main Business

Table 91. STMicroelectronics Latest Developments

Table 92. Cirrus Logic Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 93. Cirrus Logic Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 94. Cirrus Logic Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. Cirrus Logic Main Business

Table 96. Cirrus Logic Latest Developments

Table 97. Qualcomm Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 98. Qualcomm Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 99. Qualcomm Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Qualcomm Main Business

Table 101. Qualcomm Latest Developments

Table 102. ON Semiconductor Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 103. ON Semiconductor Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 104. ON Semiconductor Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. ON Semiconductor Main Business

Table 106. ON Semiconductor Latest Developments

Table 107. DSP Group Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 108. DSP Group Low-power Multi-core Digital Signal Processor Product

Portfolios and Specifications

Table 109. DSP Group Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. DSP Group Main Business

Table 111. DSP Group Latest Developments

Table 112. Hunan Jinxin Electronic Technology Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 113. Hunan Jinxin Electronic Technology Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 114. Hunan Jinxin Electronic Technology Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. Hunan Jinxin Electronic Technology Main Business

Table 116. Hunan Jinxin Electronic Technology Latest Developments

Table 117. Qilong Microelectronics Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 118. Qilong Microelectronics Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 119. Qilong Microelectronics Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. Qilong Microelectronics Main Business

Table 121. Qilong Microelectronics Latest Developments

Table 122. Guorui Technology Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 123. Guorui Technology Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 124. Guorui Technology Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. Guorui Technology Main Business

Table 126. Guorui Technology Latest Developments

Table 127. Jiangsu Hongyun Technology Basic Information, Low-power Multi-core Digital Signal Processor Manufacturing Base, Sales Area and Its Competitors

Table 128. Jiangsu Hongyun Technology Low-power Multi-core Digital Signal Processor Product Portfolios and Specifications

Table 129. Jiangsu Hongyun Technology Low-power Multi-core Digital Signal Processor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 130. Jiangsu Hongyun Technology Main Business

Table 131. Jiangsu Hongyun Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Low-power Multi-core Digital Signal Processor
- Figure 2. Low-power Multi-core Digital Signal Processor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Low-power Multi-core Digital Signal Processor Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Low-power Multi-core Digital Signal Processor Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Low-power Multi-core Digital Signal Processor Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Low-power Multi-core Digital Signal Processor Sales Market Share by Country/Region (2025)
- Figure 10. Low-power Multi-core Digital Signal Processor Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Conventional
- Figure 12. Product Picture of Ultra-low Energy Consumption
- Figure 13. Global Low-power Multi-core Digital Signal Processor Sales Market Share by Type in 2026
- Figure 14. Global Low-power Multi-core Digital Signal Processor Revenue Market Share by Type (2021-2026)
- Figure 15. Low-power Multi-core Digital Signal Processor Consumed in Communication Field
- Figure 16. Global Low-power Multi-core Digital Signal Processor Market: Communication Field (2021-2026) & (K Units)
- Figure 17. Low-power Multi-core Digital Signal Processor Consumed in Consumer Electronics
- Figure 18. Global Low-power Multi-core Digital Signal Processor Market: Consumer Electronics (2021-2026) & (K Units)
- Figure 19. Low-power Multi-core Digital Signal Processor Consumed in Automatic Control Field
- Figure 20. Global Low-power Multi-core Digital Signal Processor Market: Automatic Control Field (2021-2026) & (K Units)
- Figure 21. Low-power Multi-core Digital Signal Processor Consumed in Instrumentation Field

Figure 22. Global Low-power Multi-core Digital Signal Processor Market:
Instrumentation Field (2021-2026) & (K Units)

Figure 23. Low-power Multi-core Digital Signal Processor Consumed in Military and
Aerospace

Figure 24. Global Low-power Multi-core Digital Signal Processor Market: Military and
Aerospace (2021-2026) & (K Units)

Figure 25. Low-power Multi-core Digital Signal Processor Consumed in Others

Figure 26. Global Low-power Multi-core Digital Signal Processor Market: Others
(2021-2026) & (K Units)

Figure 27. Global Low-power Multi-core Digital Signal Processor Sale Market Share by
Application (2025)

Figure 28. Global Low-power Multi-core Digital Signal Processor Revenue Market Share
by Application in 2026

Figure 29. Low-power Multi-core Digital Signal Processor Sales by Company in 2026 (K
Units)

Figure 30. Global Low-power Multi-core Digital Signal Processor Sales Market Share by
Company in 2026

Figure 31. Low-power Multi-core Digital Signal Processor Revenue by Company in 2026
(\$ millions)

Figure 32. Global Low-power Multi-core Digital Signal Processor Revenue Market Share
by Company in 2026

Figure 33. Global Low-power Multi-core Digital Signal Processor Sales Market Share by
Geographic Region (2021-2026)

Figure 34. Global Low-power Multi-core Digital Signal Processor Revenue Market Share
by Geographic Region in 2026

Figure 35. Americas Low-power Multi-core Digital Signal Processor Sales 2021-2026 (K
Units)

Figure 36. Americas Low-power Multi-core Digital Signal Processor Revenue
2021-2026 (\$ millions)

Figure 37. APAC Low-power Multi-core Digital Signal Processor Sales 2021-2026 (K
Units)

Figure 38. APAC Low-power Multi-core Digital Signal Processor Revenue 2021-2026 (\$
millions)

Figure 39. Europe Low-power Multi-core Digital Signal Processor Sales 2021-2026 (K
Units)

Figure 40. Europe Low-power Multi-core Digital Signal Processor Revenue 2021-2026
(\$ millions)

Figure 41. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales
2021-2026 (K Units)

Figure 42. Middle East & Africa Low-power Multi-core Digital Signal Processor Revenue 2021-2026 (\$ millions)

Figure 43. Americas Low-power Multi-core Digital Signal Processor Sales Market Share by Country in 2026

Figure 44. Americas Low-power Multi-core Digital Signal Processor Revenue Market Share by Country (2021-2026)

Figure 45. Americas Low-power Multi-core Digital Signal Processor Sales Market Share by Type (2021-2026)

Figure 46. Americas Low-power Multi-core Digital Signal Processor Sales Market Share by Application (2021-2026)

Figure 47. United States Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 48. Canada Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 49. Mexico Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 50. Brazil Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 51. APAC Low-power Multi-core Digital Signal Processor Sales Market Share by Region in 2026

Figure 52. APAC Low-power Multi-core Digital Signal Processor Revenue Market Share by Region (2021-2026)

Figure 53. APAC Low-power Multi-core Digital Signal Processor Sales Market Share by Type (2021-2026)

Figure 54. APAC Low-power Multi-core Digital Signal Processor Sales Market Share by Application (2021-2026)

Figure 55. China Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 56. Japan Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 57. South Korea Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 58. Southeast Asia Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 59. India Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 60. Australia Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 61. China Taiwan Low-power Multi-core Digital Signal Processor Revenue

Growth 2021-2026 (\$ millions)

Figure 62. Europe Low-power Multi-core Digital Signal Processor Sales Market Share by Country in 2026

Figure 63. Europe Low-power Multi-core Digital Signal Processor Revenue Market Share by Country (2021-2026)

Figure 64. Europe Low-power Multi-core Digital Signal Processor Sales Market Share by Type (2021-2026)

Figure 65. Europe Low-power Multi-core Digital Signal Processor Sales Market Share by Application (2021-2026)

Figure 66. Germany Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 67. France Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 68. UK Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 69. Italy Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 70. Russia Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 71. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales Market Share by Country (2021-2026)

Figure 72. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales Market Share by Type (2021-2026)

Figure 73. Middle East & Africa Low-power Multi-core Digital Signal Processor Sales Market Share by Application (2021-2026)

Figure 74. Egypt Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 75. South Africa Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 76. Israel Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 77. Turkey Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 78. GCC Countries Low-power Multi-core Digital Signal Processor Revenue Growth 2021-2026 (\$ millions)

Figure 79. Manufacturing Cost Structure Analysis of Low-power Multi-core Digital Signal Processor in 2026

Figure 80. Manufacturing Process Analysis of Low-power Multi-core Digital Signal Processor

Figure 81. Industry Chain Structure of Low-power Multi-core Digital Signal Processor

Figure 82. Channels of Distribution

Figure 83. Global Low-power Multi-core Digital Signal Processor Sales Market Forecast by Region (2027-2032)

Figure 84. Global Low-power Multi-core Digital Signal Processor Revenue Market Share Forecast by Region (2027-2032)

Figure 85. Global Low-power Multi-core Digital Signal Processor Sales Market Share Forecast by Type (2027-2032)

Figure 86. Global Low-power Multi-core Digital Signal Processor Revenue Market Share Forecast by Type (2027-2032)

Figure 87. Global Low-power Multi-core Digital Signal Processor Sales Market Share Forecast by Application (2027-2032)

Figure 88. Global Low-power Multi-core Digital Signal Processor Revenue Market Share Forecast by Application (2027-2032)

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