

Global Digital Power ICs Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Digital Power ICs market size was valued at US\$ 2084.7 million in 2023. With growing demand in downstream market, the Digital Power ICs is forecast to a readjusted size of US\$ 3945.9 million by 2030 with a CAGR of 9.5% during review period.

The research report highlights the growth potential of the global Digital Power ICs market. Digital Power ICs are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Digital Power ICs. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Digital Power ICs market.

Digital power is an energy conversion system that applies digital control technology to power management applications. It has many advantages such as higher power density, faster control loop, ability to manage complex topologies, and design flexibility.

Digital power ICs are digitally controlled power management ICs that provide configuration, monitoring and monitoring functions, and can be extended to full loop control.

The key manufacturers of Digital Power ICs include STMicroelectronics, Texas Instruments, NXP Semiconductors, Microchip, etc. The top four players have a combined market share of about 62%.

The Asia-Pacific region is the world's largest market with a market share of about 55%

and will continue to grow in the future. North America is the second largest market, accounting for about 28%.

In terms of product, Digital Power ICs include 8-channel, 16-channel, 32-channel and other types. The 16-channel Digital Power ICs occupies the highest market share, about 36%.

Digital Power ICs is used in industrial, automotive, telecom&infrastructure, consumer electronic and other downstream industries. Industrial aspect is the main downstream industry, with a market share of about 52%.

Key Features:

The report on Digital Power ICs market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Digital Power ICs market. It may include historical data, market segmentation by Type (e.g., 8-channel, 16-channel), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Digital Power ICs market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Digital Power ICs market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Digital Power ICs industry. This include advancements in Digital Power ICs technology, Digital Power ICs new entrants, Digital Power ICs new investment, and other innovations that are shaping the future of Digital Power ICs.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Digital Power ICs market. It includes

factors influencing customer ' purchasing decisions, preferences for Digital Power ICs product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Digital Power ICs market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Digital Power ICs market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Digital Power ICs market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Digital Power ICs industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Digital Power ICs market.

Market Segmentation:

Digital Power ICs market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

8-channel

16-channel

32-channel

Others

Segmentation by application

Industrial

Automotive

Telecom & Infrastructure

Consumer Electronic

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 analyzing the company's coverage, product portfolio, its market penetration.

Texas Instruments

NXP

Microchip

STMicroelectronics

Infineon Technologies

Renesas

ON Semi

Sanken Electric

Analog Devices

Alpha and Omega Semiconductor

Power Integrations

Navitas Semiconductor

Mercury Chip Electronics Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Digital Power ICs market?

What factors are driving Digital Power ICs market growth, globally and by region?

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

How do Digital Power ICs market opportunities vary by end market size?

How does Digital Power ICs break out type, 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 Digital Power ICs Annual Sales 2019-2030
- 2.1.2 World Current & Future Analysis for Digital Power ICs by Geographic Region, 2019, 2023 & 2030
- 2.1.3 World Current & Future Analysis for Digital Power ICs by Country/Region, 2019, 2023 & 2030

2.2 Digital Power ICs Segment by Type

- 2.2.1 8-channel
- 2.2.2 16-channel
- 2.2.3 32-channel
- 2.2.4 Others

2.3 Digital Power ICs Sales by Type

- 2.3.1 Global Digital Power ICs Sales Market Share by Type (2019-2024)
- 2.3.2 Global Digital Power ICs Revenue and Market Share by Type (2019-2024)
- 2.3.3 Global Digital Power ICs Sale Price by Type (2019-2024)

2.4 Digital Power ICs Segment by Application

- 2.4.1 Industrial
- 2.4.2 Automotive
- 2.4.3 Telecom & Infrastructure
- 2.4.4 Consumer Electronic
- 2.4.5 Others

2.5 Digital Power ICs Sales by Application

- 2.5.1 Global Digital Power ICs Sale Market Share by Application (2019-2024)
- 2.5.2 Global Digital Power ICs Revenue and Market Share by Application (2019-2024)

2.5.3 Global Digital Power ICs Sale Price by Application (2019-2024)

3 GLOBAL DIGITAL POWER ICs BY COMPANY

3.1 Global Digital Power ICs Breakdown Data by Company

3.1.1 Global Digital Power ICs Annual Sales by Company (2019-2024)

3.1.2 Global Digital Power ICs Sales Market Share by Company (2019-2024)

3.2 Global Digital Power ICs Annual Revenue by Company (2019-2024)

3.2.1 Global Digital Power ICs Revenue by Company (2019-2024)

3.2.2 Global Digital Power ICs Revenue Market Share by Company (2019-2024)

3.3 Global Digital Power ICs Sale Price by Company

3.4 Key Manufacturers Digital Power ICs Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Digital Power ICs Product Location Distribution

3.4.2 Players Digital Power ICs Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR DIGITAL POWER ICs BY GEOGRAPHIC REGION

4.1 World Historic Digital Power ICs Market Size by Geographic Region (2019-2024)

4.1.1 Global Digital Power ICs Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Digital Power ICs Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Digital Power ICs Market Size by Country/Region (2019-2024)

4.2.1 Global Digital Power ICs Annual Sales by Country/Region (2019-2024)

4.2.2 Global Digital Power ICs Annual Revenue by Country/Region (2019-2024)

4.3 Americas Digital Power ICs Sales Growth

4.4 APAC Digital Power ICs Sales Growth

4.5 Europe Digital Power ICs Sales Growth

4.6 Middle East & Africa Digital Power ICs Sales Growth

5 AMERICAS

5.1 Americas Digital Power ICs Sales by Country

5.1.1 Americas Digital Power ICs Sales by Country (2019-2024)

- 5.1.2 Americas Digital Power ICs Revenue by Country (2019-2024)
- 5.2 Americas Digital Power ICs Sales by Type
- 5.3 Americas Digital Power ICs Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Digital Power ICs Sales by Region
 - 6.1.1 APAC Digital Power ICs Sales by Region (2019-2024)
 - 6.1.2 APAC Digital Power ICs Revenue by Region (2019-2024)
- 6.2 APAC Digital Power ICs Sales by Type
- 6.3 APAC Digital Power ICs Sales by Application
- 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 Digital Power ICs by Country
 - 7.1.1 Europe Digital Power ICs Sales by Country (2019-2024)
 - 7.1.2 Europe Digital Power ICs Revenue by Country (2019-2024)
- 7.2 Europe Digital Power ICs Sales by Type
- 7.3 Europe Digital Power ICs Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Digital Power ICs by Country

- 8.1.1 Middle East & Africa Digital Power ICs Sales by Country (2019-2024)
- 8.1.2 Middle East & Africa Digital Power ICs Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Digital Power ICs Sales by Type
- 8.3 Middle East & Africa Digital Power ICs Sales by Application
- 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 Digital Power ICs
- 10.3 Manufacturing Process Analysis of Digital Power ICs
- 10.4 Industry Chain Structure of Digital Power ICs

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Digital Power ICs Distributors
- 11.3 Digital Power ICs Customer

12 WORLD FORECAST REVIEW FOR DIGITAL POWER ICs BY GEOGRAPHIC REGION

- 12.1 Global Digital Power ICs Market Size Forecast by Region
 - 12.1.1 Global Digital Power ICs Forecast by Region (2025-2030)
 - 12.1.2 Global Digital Power ICs Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region

- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Digital Power ICs Forecast by Type
- 12.7 Global Digital Power ICs Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Texas Instruments

- 13.1.1 Texas Instruments Company Information
- 13.1.2 Texas Instruments Digital Power ICs Product Portfolios and Specifications
- 13.1.3 Texas Instruments Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 Texas Instruments Main Business Overview
- 13.1.5 Texas Instruments Latest Developments

13.2 NXP

- 13.2.1 NXP Company Information
- 13.2.2 NXP Digital Power ICs Product Portfolios and Specifications
- 13.2.3 NXP Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.2.4 NXP Main Business Overview
- 13.2.5 NXP Latest Developments

13.3 Microchip

- 13.3.1 Microchip Company Information
- 13.3.2 Microchip Digital Power ICs Product Portfolios and Specifications
- 13.3.3 Microchip Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.3.4 Microchip Main Business Overview
- 13.3.5 Microchip Latest Developments

13.4 STMicroelectronics

- 13.4.1 STMicroelectronics Company Information
- 13.4.2 STMicroelectronics Digital Power ICs Product Portfolios and Specifications
- 13.4.3 STMicroelectronics Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.4.4 STMicroelectronics Main Business Overview
- 13.4.5 STMicroelectronics Latest Developments

13.5 Infineon Technologies

- 13.5.1 Infineon Technologies Company Information
- 13.5.2 Infineon Technologies Digital Power ICs Product Portfolios and Specifications
- 13.5.3 Infineon Technologies Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.5.4 Infineon Technologies Main Business Overview
- 13.5.5 Infineon Technologies Latest Developments
- 13.6 Renesas
 - 13.6.1 Renesas Company Information
 - 13.6.2 Renesas Digital Power ICs Product Portfolios and Specifications
 - 13.6.3 Renesas Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Renesas Main Business Overview
 - 13.6.5 Renesas Latest Developments
- 13.7 ON Semi
 - 13.7.1 ON Semi Company Information
 - 13.7.2 ON Semi Digital Power ICs Product Portfolios and Specifications
 - 13.7.3 ON Semi Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 ON Semi Main Business Overview
 - 13.7.5 ON Semi Latest Developments
- 13.8 Sanken Electric
 - 13.8.1 Sanken Electric Company Information
 - 13.8.2 Sanken Electric Digital Power ICs Product Portfolios and Specifications
 - 13.8.3 Sanken Electric Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Sanken Electric Main Business Overview
 - 13.8.5 Sanken Electric Latest Developments
- 13.9 Analog Devices
 - 13.9.1 Analog Devices Company Information
 - 13.9.2 Analog Devices Digital Power ICs Product Portfolios and Specifications
 - 13.9.3 Analog Devices Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 Analog Devices Main Business Overview
 - 13.9.5 Analog Devices Latest Developments
- 13.10 Alpha and Omega Semiconductor
 - 13.10.1 Alpha and Omega Semiconductor Company Information
 - 13.10.2 Alpha and Omega Semiconductor Digital Power ICs Product Portfolios and Specifications
 - 13.10.3 Alpha and Omega Semiconductor Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.10.4 Alpha and Omega Semiconductor Main Business Overview
 - 13.10.5 Alpha and Omega Semiconductor Latest Developments
- 13.11 Power Integrations

- 13.11.1 Power Integrations Company Information
- 13.11.2 Power Integrations Digital Power ICs Product Portfolios and Specifications
- 13.11.3 Power Integrations Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.11.4 Power Integrations Main Business Overview
- 13.11.5 Power Integrations Latest Developments
- 13.12 Navitas Semiconductor
 - 13.12.1 Navitas Semiconductor Company Information
 - 13.12.2 Navitas Semiconductor Digital Power ICs Product Portfolios and Specifications
 - 13.12.3 Navitas Semiconductor Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.12.4 Navitas Semiconductor Main Business Overview
 - 13.12.5 Navitas Semiconductor Latest Developments
- 13.13 Mercury Chip Electronics Technology
 - 13.13.1 Mercury Chip Electronics Technology Company Information
 - 13.13.2 Mercury Chip Electronics Technology Digital Power ICs Product Portfolios and Specifications
 - 13.13.3 Mercury Chip Electronics Technology Digital Power ICs Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.13.4 Mercury Chip Electronics Technology Main Business Overview
 - 13.13.5 Mercury Chip Electronics Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Digital Power ICs Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Table 2. Digital Power ICs Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)
- Table 3. Major Players of 8-channel
- Table 4. Major Players of 16-channel
- Table 5. Major Players of 32-channel
- Table 6. Major Players of Others
- Table 7. Global Digital Power ICs Sales by Type (2019-2024) & (Million Pieces)
- Table 8. Global Digital Power ICs Sales Market Share by Type (2019-2024)
- Table 9. Global Digital Power ICs Revenue by Type (2019-2024) & (\$ million)
- Table 10. Global Digital Power ICs Revenue Market Share by Type (2019-2024)
- Table 11. Global Digital Power ICs Sale Price by Type (2019-2024) & (US\$/Piece)
- Table 12. Global Digital Power ICs Sales by Application (2019-2024) & (Million Pieces)
- Table 13. Global Digital Power ICs Sales Market Share by Application (2019-2024)
- Table 14. Global Digital Power ICs Revenue by Application (2019-2024)
- Table 15. Global Digital Power ICs Revenue Market Share by Application (2019-2024)
- Table 16. Global Digital Power ICs Sale Price by Application (2019-2024) & (US\$/Piece)
- Table 17. Global Digital Power ICs Sales by Company (2019-2024) & (Million Pieces)
- Table 18. Global Digital Power ICs Sales Market Share by Company (2019-2024)
- Table 19. Global Digital Power ICs Revenue by Company (2019-2024) (\$ Millions)
- Table 20. Global Digital Power ICs Revenue Market Share by Company (2019-2024)
- Table 21. Global Digital Power ICs Sale Price by Company (2019-2024) & (US\$/Piece)
- Table 22. Key Manufacturers Digital Power ICs Producing Area Distribution and Sales Area
- Table 23. Players Digital Power ICs Products Offered
- Table 24. Digital Power ICs Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- Table 25. New Products and Potential Entrants
- Table 26. Mergers & Acquisitions, Expansion
- Table 27. Global Digital Power ICs Sales by Geographic Region (2019-2024) & (Million Pieces)
- Table 28. Global Digital Power ICs Sales Market Share Geographic Region (2019-2024)
- Table 29. Global Digital Power ICs Revenue by Geographic Region (2019-2024) & (\$ millions)
- Table 30. Global Digital Power ICs Revenue Market Share by Geographic Region

(2019-2024)

Table 31. Global Digital Power ICs Sales by Country/Region (2019-2024) & (Million Pieces)

Table 32. Global Digital Power ICs Sales Market Share by Country/Region (2019-2024)

Table 33. Global Digital Power ICs Revenue by Country/Region (2019-2024) & (\$ millions)

Table 34. Global Digital Power ICs Revenue Market Share by Country/Region (2019-2024)

Table 35. Americas Digital Power ICs Sales by Country (2019-2024) & (Million Pieces)

Table 36. Americas Digital Power ICs Sales Market Share by Country (2019-2024)

Table 37. Americas Digital Power ICs Revenue by Country (2019-2024) & (\$ Millions)

Table 38. Americas Digital Power ICs Revenue Market Share by Country (2019-2024)

Table 39. Americas Digital Power ICs Sales by Type (2019-2024) & (Million Pieces)

Table 40. Americas Digital Power ICs Sales by Application (2019-2024) & (Million Pieces)

Table 41. APAC Digital Power ICs Sales by Region (2019-2024) & (Million Pieces)

Table 42. APAC Digital Power ICs Sales Market Share by Region (2019-2024)

Table 43. APAC Digital Power ICs Revenue by Region (2019-2024) & (\$ Millions)

Table 44. APAC Digital Power ICs Revenue Market Share by Region (2019-2024)

Table 45. APAC Digital Power ICs Sales by Type (2019-2024) & (Million Pieces)

Table 46. APAC Digital Power ICs Sales by Application (2019-2024) & (Million Pieces)

Table 47. Europe Digital Power ICs Sales by Country (2019-2024) & (Million Pieces)

Table 48. Europe Digital Power ICs Sales Market Share by Country (2019-2024)

Table 49. Europe Digital Power ICs Revenue by Country (2019-2024) & (\$ Millions)

Table 50. Europe Digital Power ICs Revenue Market Share by Country (2019-2024)

Table 51. Europe Digital Power ICs Sales by Type (2019-2024) & (Million Pieces)

Table 52. Europe Digital Power ICs Sales by Application (2019-2024) & (Million Pieces)

Table 53. Middle East & Africa Digital Power ICs Sales by Country (2019-2024) & (Million Pieces)

Table 54. Middle East & Africa Digital Power ICs Sales Market Share by Country (2019-2024)

Table 55. Middle East & Africa Digital Power ICs Revenue by Country (2019-2024) & (\$ Millions)

Table 56. Middle East & Africa Digital Power ICs Revenue Market Share by Country (2019-2024)

Table 57. Middle East & Africa Digital Power ICs Sales by Type (2019-2024) & (Million Pieces)

Table 58. Middle East & Africa Digital Power ICs Sales by Application (2019-2024) & (Million Pieces)

- Table 59. Key Market Drivers & Growth Opportunities of Digital Power ICs
- Table 60. Key Market Challenges & Risks of Digital Power ICs
- Table 61. Key Industry Trends of Digital Power ICs
- Table 62. Digital Power ICs Raw Material
- Table 63. Key Suppliers of Raw Materials
- Table 64. Digital Power ICs Distributors List
- Table 65. Digital Power ICs Customer List
- Table 66. Global Digital Power ICs Sales Forecast by Region (2025-2030) & (Million Pieces)
- Table 67. Global Digital Power ICs Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 68. Americas Digital Power ICs Sales Forecast by Country (2025-2030) & (Million Pieces)
- Table 69. Americas Digital Power ICs Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 70. APAC Digital Power ICs Sales Forecast by Region (2025-2030) & (Million Pieces)
- Table 71. APAC Digital Power ICs Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 72. Europe Digital Power ICs Sales Forecast by Country (2025-2030) & (Million Pieces)
- Table 73. Europe Digital Power ICs Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 74. Middle East & Africa Digital Power ICs Sales Forecast by Country (2025-2030) & (Million Pieces)
- Table 75. Middle East & Africa Digital Power ICs Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 76. Global Digital Power ICs Sales Forecast by Type (2025-2030) & (Million Pieces)
- Table 77. Global Digital Power ICs Revenue Forecast by Type (2025-2030) & (\$ Millions)
- Table 78. Global Digital Power ICs Sales Forecast by Application (2025-2030) & (Million Pieces)
- Table 79. Global Digital Power ICs Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 80. Texas Instruments Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors
- Table 81. Texas Instruments Digital Power ICs Product Portfolios and Specifications
- Table 82. Texas Instruments Digital Power ICs Sales (Million Pieces), Revenue (\$

Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 83. Texas Instruments Main Business

Table 84. Texas Instruments Latest Developments

Table 85. NXP Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 86. NXP Digital Power ICs Product Portfolios and Specifications

Table 87. NXP Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 88. NXP Main Business

Table 89. NXP Latest Developments

Table 90. Microchip Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 91. Microchip Digital Power ICs Product Portfolios and Specifications

Table 92. Microchip Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 93. Microchip Main Business

Table 94. Microchip Latest Developments

Table 95. STMicroelectronics Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 96. STMicroelectronics Digital Power ICs Product Portfolios and Specifications

Table 97. STMicroelectronics Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 98. STMicroelectronics Main Business

Table 99. STMicroelectronics Latest Developments

Table 100. Infineon Technologies Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 101. Infineon Technologies Digital Power ICs Product Portfolios and Specifications

Table 102. Infineon Technologies Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 103. Infineon Technologies Main Business

Table 104. Infineon Technologies Latest Developments

Table 105. Renesas Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 106. Renesas Digital Power ICs Product Portfolios and Specifications

Table 107. Renesas Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 108. Renesas Main Business

Table 109. Renesas Latest Developments

Table 110. ON Semi Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 111. ON Semi Digital Power ICs Product Portfolios and Specifications

Table 112. ON Semi Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 113. ON Semi Main Business

Table 114. ON Semi Latest Developments

Table 115. Sanken Electric Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 116. Sanken Electric Digital Power ICs Product Portfolios and Specifications

Table 117. Sanken Electric Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 118. Sanken Electric Main Business

Table 119. Sanken Electric Latest Developments

Table 120. Analog Devices Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 121. Analog Devices Digital Power ICs Product Portfolios and Specifications

Table 122. Analog Devices Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 123. Analog Devices Main Business

Table 124. Analog Devices Latest Developments

Table 125. Alpha and Omega Semiconductor Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 126. Alpha and Omega Semiconductor Digital Power ICs Product Portfolios and Specifications

Table 127. Alpha and Omega Semiconductor Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 128. Alpha and Omega Semiconductor Main Business

Table 129. Alpha and Omega Semiconductor Latest Developments

Table 130. Power Integrations Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 131. Power Integrations Digital Power ICs Product Portfolios and Specifications

Table 132. Power Integrations Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 133. Power Integrations Main Business

Table 134. Power Integrations Latest Developments

Table 135. Navitas Semiconductor Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 136. Navitas Semiconductor Digital Power ICs Product Portfolios and

Specifications

Table 137. Navitas Semiconductor Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 138. Navitas Semiconductor Main Business

Table 139. Navitas Semiconductor Latest Developments

Table 140. Mercury Chip Electronics Technology Basic Information, Digital Power ICs Manufacturing Base, Sales Area and Its Competitors

Table 141. Mercury Chip Electronics Technology Digital Power ICs Product Portfolios and Specifications

Table 142. Mercury Chip Electronics Technology Digital Power ICs Sales (Million Pieces), Revenue (\$ Million), Price (US\$/Piece) and Gross Margin (2019-2024)

Table 143. Mercury Chip Electronics Technology Main Business

Table 144. Mercury Chip Electronics Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Digital Power ICs
- Figure 2. Digital Power ICs Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Digital Power ICs Sales Growth Rate 2019-2030 (Million Pieces)
- Figure 7. Global Digital Power ICs Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Digital Power ICs Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of 8-channel
- Figure 10. Product Picture of 16-channel
- Figure 11. Product Picture of 32-channel
- Figure 12. Product Picture of Others
- Figure 13. Global Digital Power ICs Sales Market Share by Type in 2023
- Figure 14. Global Digital Power ICs Revenue Market Share by Type (2019-2024)
- Figure 15. Digital Power ICs Consumed in Industrial
- Figure 16. Global Digital Power ICs Market: Industrial (2019-2024) & (Million Pieces)
- Figure 17. Digital Power ICs Consumed in Automotive
- Figure 18. Global Digital Power ICs Market: Automotive (2019-2024) & (Million Pieces)
- Figure 19. Digital Power ICs Consumed in Telecom & Infrastructure
- Figure 20. Global Digital Power ICs Market: Telecom & Infrastructure (2019-2024) & (Million Pieces)
- Figure 21. Digital Power ICs Consumed in Consumer Electronic
- Figure 22. Global Digital Power ICs Market: Consumer Electronic (2019-2024) & (Million Pieces)
- Figure 23. Digital Power ICs Consumed in Others
- Figure 24. Global Digital Power ICs Market: Others (2019-2024) & (Million Pieces)
- Figure 25. Global Digital Power ICs Sales Market Share by Application (2023)
- Figure 26. Global Digital Power ICs Revenue Market Share by Application in 2023
- Figure 27. Digital Power ICs Sales Market by Company in 2023 (Million Pieces)
- Figure 28. Global Digital Power ICs Sales Market Share by Company in 2023
- Figure 29. Digital Power ICs Revenue Market by Company in 2023 (\$ Million)
- Figure 30. Global Digital Power ICs Revenue Market Share by Company in 2023
- Figure 31. Global Digital Power ICs Sales Market Share by Geographic Region (2019-2024)
- Figure 32. Global Digital Power ICs Revenue Market Share by Geographic Region in

2023

- Figure 33. Americas Digital Power ICs Sales 2019-2024 (Million Pieces)
- Figure 34. Americas Digital Power ICs Revenue 2019-2024 (\$ Millions)
- Figure 35. APAC Digital Power ICs Sales 2019-2024 (Million Pieces)
- Figure 36. APAC Digital Power ICs Revenue 2019-2024 (\$ Millions)
- Figure 37. Europe Digital Power ICs Sales 2019-2024 (Million Pieces)
- Figure 38. Europe Digital Power ICs Revenue 2019-2024 (\$ Millions)
- Figure 39. Middle East & Africa Digital Power ICs Sales 2019-2024 (Million Pieces)
- Figure 40. Middle East & Africa Digital Power ICs Revenue 2019-2024 (\$ Millions)
- Figure 41. Americas Digital Power ICs Sales Market Share by Country in 2023
- Figure 42. Americas Digital Power ICs Revenue Market Share by Country in 2023
- Figure 43. Americas Digital Power ICs Sales Market Share by Type (2019-2024)
- Figure 44. Americas Digital Power ICs Sales Market Share by Application (2019-2024)
- Figure 45. United States Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 46. Canada Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 47. Mexico Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 48. Brazil Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 49. APAC Digital Power ICs Sales Market Share by Region in 2023
- Figure 50. APAC Digital Power ICs Revenue Market Share by Regions in 2023
- Figure 51. APAC Digital Power ICs Sales Market Share by Type (2019-2024)
- Figure 52. APAC Digital Power ICs Sales Market Share by Application (2019-2024)
- Figure 53. China Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 54. Japan Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 55. South Korea Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 56. Southeast Asia Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 57. India Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 58. Australia Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 59. China Taiwan Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 60. Europe Digital Power ICs Sales Market Share by Country in 2023
- Figure 61. Europe Digital Power ICs Revenue Market Share by Country in 2023
- Figure 62. Europe Digital Power ICs Sales Market Share by Type (2019-2024)
- Figure 63. Europe Digital Power ICs Sales Market Share by Application (2019-2024)
- Figure 64. Germany Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 65. France Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 66. UK Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 67. Italy Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 68. Russia Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)
- Figure 69. Middle East & Africa Digital Power ICs Sales Market Share by Country in 2023

Figure 70. Middle East & Africa Digital Power ICs Revenue Market Share by Country in 2023

Figure 71. Middle East & Africa Digital Power ICs Sales Market Share by Type (2019-2024)

Figure 72. Middle East & Africa Digital Power ICs Sales Market Share by Application (2019-2024)

Figure 73. Egypt Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)

Figure 74. South Africa Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)

Figure 75. Israel Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)

Figure 76. Turkey Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)

Figure 77. GCC Country Digital Power ICs Revenue Growth 2019-2024 (\$ Millions)

Figure 78. Manufacturing Cost Structure Analysis of Digital Power ICs in 2023

Figure 79. Manufacturing Process Analysis of Digital Power ICs

Figure 80. Industry Chain Structure of Digital Power ICs

Figure 81. Channels of Distribution

Figure 82. Global Digital Power ICs Sales Market Forecast by Region (2025-2030)

Figure 83. Global Digital Power ICs Revenue Market Share Forecast by Region (2025-2030)

Figure 84. Global Digital Power ICs Sales Market Share Forecast by Type (2025-2030)

Figure 85. Global Digital Power ICs Revenue Market Share Forecast by Type (2025-2030)

Figure 86. Global Digital Power ICs Sales Market Share Forecast by Application (2025-2030)

Figure 87. Global Digital Power ICs Revenue Market Share Forecast by Application (2025-2030)

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