

Global Digital Power ICs Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G256B6FA0F9GEN.html>

Date: January 2024

Pages: 107

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

ID: G256B6FA0F9GEN

Abstracts

According to our (Global Info Research) latest study, the global Digital Power ICs market size was valued at USD 2192.7 million in 2023 and is forecast to a readjusted size of USD 3958.2 million by 2030 with a CAGR of 8.8% during review period.

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%.

The Global Info Research report includes an overview of the development of the Digital Power ICs industry chain, the market status of Industrial (8-channel, 16-channel), Automotive (8-channel, 16-channel), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Digital Power ICs.

Regionally, the report analyzes the Digital Power ICs markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Digital Power ICs market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Digital Power ICs market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Digital Power ICs industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Million Pieces), revenue generated, and market share of different by Type (e.g., 8-channel, 16-channel).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Digital Power ICs market.

Regional Analysis: The report involves examining the Digital Power ICs market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future

projections and forecasts for the Digital Power ICs market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Digital Power ICs:

Company Analysis: Report covers individual Digital Power ICs manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Digital Power ICs. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial, Automotive).

Technology Analysis: Report covers specific technologies relevant to Digital Power ICs. It assesses the current state, advancements, and potential future developments in Digital Power ICs areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Digital Power ICs market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

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.

Market segment by Type

8-channel

16-channel

32-channel

Others

Market segment by Application

Industrial

Automotive

Telecom & Infrastructure

Consumer Electronic

Others

Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Digital Power ICs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Digital Power ICs, with price, sales, revenue and global market share of Digital Power ICs from 2019 to 2024.

Chapter 3, the Digital Power ICs competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Digital Power ICs breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales

quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Digital Power ICs market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Digital Power ICs.

Chapter 14 and 15, to describe Digital Power ICs sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Digital Power ICs
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Digital Power ICs Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 8-channel
 - 1.3.3 16-channel
 - 1.3.4 32-channel
 - 1.3.5 Others
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Digital Power ICs Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Industrial
 - 1.4.3 Automotive
 - 1.4.4 Telecom & Infrastructure
 - 1.4.5 Consumer Electronic
 - 1.4.6 Others
- 1.5 Global Digital Power ICs Market Size & Forecast
 - 1.5.1 Global Digital Power ICs Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Digital Power ICs Sales Quantity (2019-2030)
 - 1.5.3 Global Digital Power ICs Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Texas Instruments
 - 2.1.1 Texas Instruments Details
 - 2.1.2 Texas Instruments Major Business
 - 2.1.3 Texas Instruments Digital Power ICs Product and Services
 - 2.1.4 Texas Instruments Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Texas Instruments Recent Developments/Updates
- 2.2 NXP
 - 2.2.1 NXP Details
 - 2.2.2 NXP Major Business
 - 2.2.3 NXP Digital Power ICs Product and Services

2.2.4 NXP Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 NXP Recent Developments/Updates

2.3 Microchip

2.3.1 Microchip Details

2.3.2 Microchip Major Business

2.3.3 Microchip Digital Power ICs Product and Services

2.3.4 Microchip Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Microchip Recent Developments/Updates

2.4 STMicroelectronics

2.4.1 STMicroelectronics Details

2.4.2 STMicroelectronics Major Business

2.4.3 STMicroelectronics Digital Power ICs Product and Services

2.4.4 STMicroelectronics Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 STMicroelectronics Recent Developments/Updates

2.5 Infineon Technologies

2.5.1 Infineon Technologies Details

2.5.2 Infineon Technologies Major Business

2.5.3 Infineon Technologies Digital Power ICs Product and Services

2.5.4 Infineon Technologies Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Infineon Technologies Recent Developments/Updates

2.6 Renesas

2.6.1 Renesas Details

2.6.2 Renesas Major Business

2.6.3 Renesas Digital Power ICs Product and Services

2.6.4 Renesas Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Renesas Recent Developments/Updates

2.7 ON Semi

2.7.1 ON Semi Details

2.7.2 ON Semi Major Business

2.7.3 ON Semi Digital Power ICs Product and Services

2.7.4 ON Semi Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 ON Semi Recent Developments/Updates

2.8 Sanken Electric

- 2.8.1 Sanken Electric Details
- 2.8.2 Sanken Electric Major Business
- 2.8.3 Sanken Electric Digital Power ICs Product and Services
- 2.8.4 Sanken Electric Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Sanken Electric Recent Developments/Updates
- 2.9 Analog Devices
 - 2.9.1 Analog Devices Details
 - 2.9.2 Analog Devices Major Business
 - 2.9.3 Analog Devices Digital Power ICs Product and Services
 - 2.9.4 Analog Devices Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Analog Devices Recent Developments/Updates
- 2.10 Alpha and Omega Semiconductor
 - 2.10.1 Alpha and Omega Semiconductor Details
 - 2.10.2 Alpha and Omega Semiconductor Major Business
 - 2.10.3 Alpha and Omega Semiconductor Digital Power ICs Product and Services
 - 2.10.4 Alpha and Omega Semiconductor Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Alpha and Omega Semiconductor Recent Developments/Updates
- 2.11 Power Integrations
 - 2.11.1 Power Integrations Details
 - 2.11.2 Power Integrations Major Business
 - 2.11.3 Power Integrations Digital Power ICs Product and Services
 - 2.11.4 Power Integrations Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 Power Integrations Recent Developments/Updates
- 2.12 Navitas Semiconductor
 - 2.12.1 Navitas Semiconductor Details
 - 2.12.2 Navitas Semiconductor Major Business
 - 2.12.3 Navitas Semiconductor Digital Power ICs Product and Services
 - 2.12.4 Navitas Semiconductor Digital Power ICs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Navitas Semiconductor Recent Developments/Updates
- 2.13 Mercury Chip Electronics Technology
 - 2.13.1 Mercury Chip Electronics Technology Details
 - 2.13.2 Mercury Chip Electronics Technology Major Business
 - 2.13.3 Mercury Chip Electronics Technology Digital Power ICs Product and Services
 - 2.13.4 Mercury Chip Electronics Technology Digital Power ICs Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Mercury Chip Electronics Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: DIGITAL POWER ICs BY MANUFACTURER

3.1 Global Digital Power ICs Sales Quantity by Manufacturer (2019-2024)

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

3.3 Global Digital Power ICs Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Digital Power ICs by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Digital Power ICs Manufacturer Market Share in 2023

3.4.2 Top 6 Digital Power ICs Manufacturer Market Share in 2023

3.5 Digital Power ICs Market: Overall Company Footprint Analysis

3.5.1 Digital Power ICs Market: Region Footprint

3.5.2 Digital Power ICs Market: Company Product Type Footprint

3.5.3 Digital Power ICs Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Digital Power ICs Market Size by Region

4.1.1 Global Digital Power ICs Sales Quantity by Region (2019-2030)

4.1.2 Global Digital Power ICs Consumption Value by Region (2019-2030)

4.1.3 Global Digital Power ICs Average Price by Region (2019-2030)

4.2 North America Digital Power ICs Consumption Value (2019-2030)

4.3 Europe Digital Power ICs Consumption Value (2019-2030)

4.4 Asia-Pacific Digital Power ICs Consumption Value (2019-2030)

4.5 South America Digital Power ICs Consumption Value (2019-2030)

4.6 Middle East and Africa Digital Power ICs Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Digital Power ICs Sales Quantity by Type (2019-2030)

5.2 Global Digital Power ICs Consumption Value by Type (2019-2030)

5.3 Global Digital Power ICs Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Digital Power ICs Sales Quantity by Application (2019-2030)

6.2 Global Digital Power ICs Consumption Value by Application (2019-2030)

6.3 Global Digital Power ICs Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Digital Power ICs Sales Quantity by Type (2019-2030)

7.2 North America Digital Power ICs Sales Quantity by Application (2019-2030)

7.3 North America Digital Power ICs Market Size by Country

7.3.1 North America Digital Power ICs Sales Quantity by Country (2019-2030)

7.3.2 North America Digital Power ICs Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Digital Power ICs Sales Quantity by Type (2019-2030)

8.2 Europe Digital Power ICs Sales Quantity by Application (2019-2030)

8.3 Europe Digital Power ICs Market Size by Country

8.3.1 Europe Digital Power ICs Sales Quantity by Country (2019-2030)

8.3.2 Europe Digital Power ICs Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Digital Power ICs Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Digital Power ICs Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Digital Power ICs Market Size by Region

9.3.1 Asia-Pacific Digital Power ICs Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Digital Power ICs Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Digital Power ICs Sales Quantity by Type (2019-2030)
- 10.2 South America Digital Power ICs Sales Quantity by Application (2019-2030)
- 10.3 South America Digital Power ICs Market Size by Country
 - 10.3.1 South America Digital Power ICs Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Digital Power ICs Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Digital Power ICs Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Digital Power ICs Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Digital Power ICs Market Size by Country
 - 11.3.1 Middle East & Africa Digital Power ICs Sales Quantity by Country (2019-2030)
 - 11.3.2 Middle East & Africa Digital Power ICs Consumption Value by Country (2019-2030)
 - 11.3.3 Turkey Market Size and Forecast (2019-2030)
 - 11.3.4 Egypt Market Size and Forecast (2019-2030)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
 - 11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 Digital Power ICs Market Drivers
- 12.2 Digital Power ICs Market Restraints
- 12.3 Digital Power ICs Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Digital Power ICs and Key Manufacturers

13.2 Manufacturing Costs Percentage of Digital Power ICs

13.3 Digital Power ICs Production Process

13.4 Digital Power ICs Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Digital Power ICs Typical Distributors

14.3 Digital Power ICs Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Digital Power ICs Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Digital Power ICs Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 4. Texas Instruments Major Business

Table 5. Texas Instruments Digital Power ICs Product and Services

Table 6. Texas Instruments Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Texas Instruments Recent Developments/Updates

Table 8. NXP Basic Information, Manufacturing Base and Competitors

Table 9. NXP Major Business

Table 10. NXP Digital Power ICs Product and Services

Table 11. NXP Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. NXP Recent Developments/Updates

Table 13. Microchip Basic Information, Manufacturing Base and Competitors

Table 14. Microchip Major Business

Table 15. Microchip Digital Power ICs Product and Services

Table 16. Microchip Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Microchip Recent Developments/Updates

Table 18. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 19. STMicroelectronics Major Business

Table 20. STMicroelectronics Digital Power ICs Product and Services

Table 21. STMicroelectronics Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. STMicroelectronics Recent Developments/Updates

Table 23. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 24. Infineon Technologies Major Business

Table 25. Infineon Technologies Digital Power ICs Product and Services

Table 26. Infineon Technologies Digital Power ICs Sales Quantity (Million Pieces),

Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Infineon Technologies Recent Developments/Updates

Table 28. Renesas Basic Information, Manufacturing Base and Competitors

Table 29. Renesas Major Business

Table 30. Renesas Digital Power ICs Product and Services

Table 31. Renesas Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Renesas Recent Developments/Updates

Table 33. ON Semi Basic Information, Manufacturing Base and Competitors

Table 34. ON Semi Major Business

Table 35. ON Semi Digital Power ICs Product and Services

Table 36. ON Semi Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. ON Semi Recent Developments/Updates

Table 38. Sanken Electric Basic Information, Manufacturing Base and Competitors

Table 39. Sanken Electric Major Business

Table 40. Sanken Electric Digital Power ICs Product and Services

Table 41. Sanken Electric Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Sanken Electric Recent Developments/Updates

Table 43. Analog Devices Basic Information, Manufacturing Base and Competitors

Table 44. Analog Devices Major Business

Table 45. Analog Devices Digital Power ICs Product and Services

Table 46. Analog Devices Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Analog Devices Recent Developments/Updates

Table 48. Alpha and Omega Semiconductor Basic Information, Manufacturing Base and Competitors

Table 49. Alpha and Omega Semiconductor Major Business

Table 50. Alpha and Omega Semiconductor Digital Power ICs Product and Services

Table 51. Alpha and Omega Semiconductor Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Alpha and Omega Semiconductor Recent Developments/Updates

Table 53. Power Integrations Basic Information, Manufacturing Base and Competitors

Table 54. Power Integrations Major Business

- Table 55. Power Integrations Digital Power ICs Product and Services
- Table 56. Power Integrations Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. Power Integrations Recent Developments/Updates
- Table 58. Navitas Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 59. Navitas Semiconductor Major Business
- Table 60. Navitas Semiconductor Digital Power ICs Product and Services
- Table 61. Navitas Semiconductor Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. Navitas Semiconductor Recent Developments/Updates
- Table 63. Mercury Chip Electronics Technology Basic Information, Manufacturing Base and Competitors
- Table 64. Mercury Chip Electronics Technology Major Business
- Table 65. Mercury Chip Electronics Technology Digital Power ICs Product and Services
- Table 66. Mercury Chip Electronics Technology Digital Power ICs Sales Quantity (Million Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 67. Mercury Chip Electronics Technology Recent Developments/Updates
- Table 68. Global Digital Power ICs Sales Quantity by Manufacturer (2019-2024) & (Million Pieces)
- Table 69. Global Digital Power ICs Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 70. Global Digital Power ICs Average Price by Manufacturer (2019-2024) & (US\$/Piece)
- Table 71. Market Position of Manufacturers in Digital Power ICs, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 72. Head Office and Digital Power ICs Production Site of Key Manufacturer
- Table 73. Digital Power ICs Market: Company Product Type Footprint
- Table 74. Digital Power ICs Market: Company Product Application Footprint
- Table 75. Digital Power ICs New Market Entrants and Barriers to Market Entry
- Table 76. Digital Power ICs Mergers, Acquisition, Agreements, and Collaborations
- Table 77. Global Digital Power ICs Sales Quantity by Region (2019-2024) & (Million Pieces)
- Table 78. Global Digital Power ICs Sales Quantity by Region (2025-2030) & (Million Pieces)
- Table 79. Global Digital Power ICs Consumption Value by Region (2019-2024) & (USD

Million)

Table 80. Global Digital Power ICs Consumption Value by Region (2025-2030) & (USD Million)

Table 81. Global Digital Power ICs Average Price by Region (2019-2024) & (US\$/Piece)

Table 82. Global Digital Power ICs Average Price by Region (2025-2030) & (US\$/Piece)

Table 83. Global Digital Power ICs Sales Quantity by Type (2019-2024) & (Million Pieces)

Table 84. Global Digital Power ICs Sales Quantity by Type (2025-2030) & (Million Pieces)

Table 85. Global Digital Power ICs Consumption Value by Type (2019-2024) & (USD Million)

Table 86. Global Digital Power ICs Consumption Value by Type (2025-2030) & (USD Million)

Table 87. Global Digital Power ICs Average Price by Type (2019-2024) & (US\$/Piece)

Table 88. Global Digital Power ICs Average Price by Type (2025-2030) & (US\$/Piece)

Table 89. Global Digital Power ICs Sales Quantity by Application (2019-2024) & (Million Pieces)

Table 90. Global Digital Power ICs Sales Quantity by Application (2025-2030) & (Million Pieces)

Table 91. Global Digital Power ICs Consumption Value by Application (2019-2024) & (USD Million)

Table 92. Global Digital Power ICs Consumption Value by Application (2025-2030) & (USD Million)

Table 93. Global Digital Power ICs Average Price by Application (2019-2024) & (US\$/Piece)

Table 94. Global Digital Power ICs Average Price by Application (2025-2030) & (US\$/Piece)

Table 95. North America Digital Power ICs Sales Quantity by Type (2019-2024) & (Million Pieces)

Table 96. North America Digital Power ICs Sales Quantity by Type (2025-2030) & (Million Pieces)

Table 97. North America Digital Power ICs Sales Quantity by Application (2019-2024) & (Million Pieces)

Table 98. North America Digital Power ICs Sales Quantity by Application (2025-2030) & (Million Pieces)

Table 99. North America Digital Power ICs Sales Quantity by Country (2019-2024) & (Million Pieces)

Table 100. North America Digital Power ICs Sales Quantity by Country (2025-2030) & (Million Pieces)

Table 101. North America Digital Power ICs Consumption Value by Country (2019-2024) & (USD Million)

Table 102. North America Digital Power ICs Consumption Value by Country (2025-2030) & (USD Million)

Table 103. Europe Digital Power ICs Sales Quantity by Type (2019-2024) & (Million Pieces)

Table 104. Europe Digital Power ICs Sales Quantity by Type (2025-2030) & (Million Pieces)

Table 105. Europe Digital Power ICs Sales Quantity by Application (2019-2024) & (Million Pieces)

Table 106. Europe Digital Power ICs Sales Quantity by Application (2025-2030) & (Million Pieces)

Table 107. Europe Digital Power ICs Sales Quantity by Country (2019-2024) & (Million Pieces)

Table 108. Europe Digital Power ICs Sales Quantity by Country (2025-2030) & (Million Pieces)

Table 109. Europe Digital Power ICs Consumption Value by Country (2019-2024) & (USD Million)

Table 110. Europe Digital Power ICs Consumption Value by Country (2025-2030) & (USD Million)

Table 111. Asia-Pacific Digital Power ICs Sales Quantity by Type (2019-2024) & (Million Pieces)

Table 112. Asia-Pacific Digital Power ICs Sales Quantity by Type (2025-2030) & (Million Pieces)

Table 113. Asia-Pacific Digital Power ICs Sales Quantity by Application (2019-2024) & (Million Pieces)

Table 114. Asia-Pacific Digital Power ICs Sales Quantity by Application (2025-2030) & (Million Pieces)

Table 115. Asia-Pacific Digital Power ICs Sales Quantity by Region (2019-2024) & (Million Pieces)

Table 116. Asia-Pacific Digital Power ICs Sales Quantity by Region (2025-2030) & (Million Pieces)

Table 117. Asia-Pacific Digital Power ICs Consumption Value by Region (2019-2024) & (USD Million)

Table 118. Asia-Pacific Digital Power ICs Consumption Value by Region (2025-2030) & (USD Million)

Table 119. South America Digital Power ICs Sales Quantity by Type (2019-2024) & (Million Pieces)

Table 120. South America Digital Power ICs Sales Quantity by Type (2025-2030) &

(Million Pieces)

Table 121. South America Digital Power ICs Sales Quantity by Application (2019-2024) & (Million Pieces)

Table 122. South America Digital Power ICs Sales Quantity by Application (2025-2030) & (Million Pieces)

Table 123. South America Digital Power ICs Sales Quantity by Country (2019-2024) & (Million Pieces)

Table 124. South America Digital Power ICs Sales Quantity by Country (2025-2030) & (Million Pieces)

Table 125. South America Digital Power ICs Consumption Value by Country (2019-2024) & (USD Million)

Table 126. South America Digital Power ICs Consumption Value by Country (2025-2030) & (USD Million)

Table 127. Middle East & Africa Digital Power ICs Sales Quantity by Type (2019-2024) & (Million Pieces)

Table 128. Middle East & Africa Digital Power ICs Sales Quantity by Type (2025-2030) & (Million Pieces)

Table 129. Middle East & Africa Digital Power ICs Sales Quantity by Application (2019-2024) & (Million Pieces)

Table 130. Middle East & Africa Digital Power ICs Sales Quantity by Application (2025-2030) & (Million Pieces)

Table 131. Middle East & Africa Digital Power ICs Sales Quantity by Region (2019-2024) & (Million Pieces)

Table 132. Middle East & Africa Digital Power ICs Sales Quantity by Region (2025-2030) & (Million Pieces)

Table 133. Middle East & Africa Digital Power ICs Consumption Value by Region (2019-2024) & (USD Million)

Table 134. Middle East & Africa Digital Power ICs Consumption Value by Region (2025-2030) & (USD Million)

Table 135. Digital Power ICs Raw Material

Table 136. Key Manufacturers of Digital Power ICs Raw Materials

Table 137. Digital Power ICs Typical Distributors

Table 138. Digital Power ICs Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Digital Power ICs Picture

Figure 2. Global Digital Power ICs Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Digital Power ICs Consumption Value Market Share by Type in 2023

Figure 4. 8-channel Examples

Figure 5. 16-channel Examples

Figure 6. 32-channel Examples

Figure 7. Others Examples

Figure 8. Global Digital Power ICs Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 9. Global Digital Power ICs Consumption Value Market Share by Application in 2023

Figure 10. Industrial Examples

Figure 11. Automotive Examples

Figure 12. Telecom & Infrastructure Examples

Figure 13. Consumer Electronic Examples

Figure 14. Others Examples

Figure 15. Global Digital Power ICs Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 16. Global Digital Power ICs Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 17. Global Digital Power ICs Sales Quantity (2019-2030) & (Million Pieces)

Figure 18. Global Digital Power ICs Average Price (2019-2030) & (US\$/Piece)

Figure 19. Global Digital Power ICs Sales Quantity Market Share by Manufacturer in 2023

Figure 20. Global Digital Power ICs Consumption Value Market Share by Manufacturer in 2023

Figure 21. Producer Shipments of Digital Power ICs by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 22. Top 3 Digital Power ICs Manufacturer (Consumption Value) Market Share in 2023

Figure 23. Top 6 Digital Power ICs Manufacturer (Consumption Value) Market Share in 2023

Figure 24. Global Digital Power ICs Sales Quantity Market Share by Region (2019-2030)

Figure 25. Global Digital Power ICs Consumption Value Market Share by Region (2019-2030)

Figure 26. North America Digital Power ICs Consumption Value (2019-2030) & (USD Million)

Figure 27. Europe Digital Power ICs Consumption Value (2019-2030) & (USD Million)

Figure 28. Asia-Pacific Digital Power ICs Consumption Value (2019-2030) & (USD Million)

Figure 29. South America Digital Power ICs Consumption Value (2019-2030) & (USD Million)

Figure 30. Middle East & Africa Digital Power ICs Consumption Value (2019-2030) & (USD Million)

Figure 31. Global Digital Power ICs Sales Quantity Market Share by Type (2019-2030)

Figure 32. Global Digital Power ICs Consumption Value Market Share by Type (2019-2030)

Figure 33. Global Digital Power ICs Average Price by Type (2019-2030) & (US\$/Piece)

Figure 34. Global Digital Power ICs Sales Quantity Market Share by Application (2019-2030)

Figure 35. Global Digital Power ICs Consumption Value Market Share by Application (2019-2030)

Figure 36. Global Digital Power ICs Average Price by Application (2019-2030) & (US\$/Piece)

Figure 37. North America Digital Power ICs Sales Quantity Market Share by Type (2019-2030)

Figure 38. North America Digital Power ICs Sales Quantity Market Share by Application (2019-2030)

Figure 39. North America Digital Power ICs Sales Quantity Market Share by Country (2019-2030)

Figure 40. North America Digital Power ICs Consumption Value Market Share by Country (2019-2030)

Figure 41. United States Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Canada Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Mexico Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. Europe Digital Power ICs Sales Quantity Market Share by Type (2019-2030)

Figure 45. Europe Digital Power ICs Sales Quantity Market Share by Application (2019-2030)

Figure 46. Europe Digital Power ICs Sales Quantity Market Share by Country

(2019-2030)

Figure 47. Europe Digital Power ICs Consumption Value Market Share by Country

(2019-2030)

Figure 48. Germany Digital Power ICs Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 49. France Digital Power ICs Consumption Value and Growth Rate (2019-2030)

& (USD Million)

Figure 50. United Kingdom Digital Power ICs Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 51. Russia Digital Power ICs Consumption Value and Growth Rate (2019-2030)

& (USD Million)

Figure 52. Italy Digital Power ICs Consumption Value and Growth Rate (2019-2030) &

(USD Million)

Figure 53. Asia-Pacific Digital Power ICs Sales Quantity Market Share by Type

(2019-2030)

Figure 54. Asia-Pacific Digital Power ICs Sales Quantity Market Share by Application

(2019-2030)

Figure 55. Asia-Pacific Digital Power ICs Sales Quantity Market Share by Region

(2019-2030)

Figure 56. Asia-Pacific Digital Power ICs Consumption Value Market Share by Region

(2019-2030)

Figure 57. China Digital Power ICs Consumption Value and Growth Rate (2019-2030) &

(USD Million)

Figure 58. Japan Digital Power ICs Consumption Value and Growth Rate (2019-2030) &

(USD Million)

Figure 59. Korea Digital Power ICs Consumption Value and Growth Rate (2019-2030) &

(USD Million)

Figure 60. India Digital Power ICs Consumption Value and Growth Rate (2019-2030) &

(USD Million)

Figure 61. Southeast Asia Digital Power ICs Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 62. Australia Digital Power ICs Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 63. South America Digital Power ICs Sales Quantity Market Share by Type

(2019-2030)

Figure 64. South America Digital Power ICs Sales Quantity Market Share by Application

(2019-2030)

Figure 65. South America Digital Power ICs Sales Quantity Market Share by Country

(2019-2030)

Figure 66. South America Digital Power ICs Consumption Value Market Share by Country (2019-2030)

Figure 67. Brazil Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Argentina Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Middle East & Africa Digital Power ICs Sales Quantity Market Share by Type (2019-2030)

Figure 70. Middle East & Africa Digital Power ICs Sales Quantity Market Share by Application (2019-2030)

Figure 71. Middle East & Africa Digital Power ICs Sales Quantity Market Share by Region (2019-2030)

Figure 72. Middle East & Africa Digital Power ICs Consumption Value Market Share by Region (2019-2030)

Figure 73. Turkey Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Egypt Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Saudi Arabia Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. South Africa Digital Power ICs Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. Digital Power ICs Market Drivers

Figure 78. Digital Power ICs Market Restraints

Figure 79. Digital Power ICs Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Digital Power ICs in 2023

Figure 82. Manufacturing Process Analysis of Digital Power ICs

Figure 83. Digital Power ICs Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

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