

Global Digital Power Control MCUs Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GD6CEF726493EN.html>

Date: August 2026

Pages: 87

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

ID: GD6CEF726493EN

Abstracts

According to our (Global Info Research) latest study, the global Digital Power Control MCUs market size was valued at US\$ 3463 million in 2025 and is forecast to a readjusted size of US\$ 5765 million by 2032 with a CAGR of 7.5% during review period.

Digital Power Control MCUs are specialized microcontrollers or digital signal controllers used to control power-conversion systems through firmware-based feedback loops. They replace or supplement analog control circuits by sampling voltage and current through ADCs, calculating control algorithms, and generating high-resolution PWM signals to drive power switches. Typical applications include digital SMPS, DC-DC converters, PFC circuits, solar inverters, EV chargers, telecom power supplies, server power, industrial power supplies, lighting, welding equipment, and wireless chargers. Key features include fast ADCs, high-resolution timers, comparators, DSP engines, protection functions, communication interfaces, and software design tools.

Global production capacity is approximately 800 million units.

In 2025, global sales reached approximately 712 million units, with an average price of around US\$ 4.7 per unit, gross margin around 39%.

The Digital Power Control MCUs market has a positive long-term outlook because power electronics are becoming more digital, efficient, compact, and software-defined. Demand is supported by renewable energy, EV charging, data centers, telecom power, industrial automation, energy storage, smart grids, and high-efficiency consumer power supplies. Compared with analog controllers, digital MCUs offer flexible control algorithms, parameter tuning, telemetry, fault diagnosis, communication, and system-

level optimization. The market remains technology-intensive, with competition focused on real-time performance, analog integration, PWM precision, ecosystem tools, functional safety, reliability, and reference designs. Leading suppliers include MCU, DSP, power IC, and mixed-signal semiconductor companies.

Market Trend

The market is moving toward higher switching frequency, faster control-loop response, greater analog integration, and stronger software ecosystems. Digital power MCUs increasingly support SiC and GaN power stages, high-density power modules, bidirectional converters, multi-phase control, adaptive compensation, and real-time monitoring. Vendors are improving high-resolution PWM, fast ADC sampling, integrated comparators, safety diagnostics, communication protocols, and AI-assisted or model-based development tools. Application demand is shifting from simple power supplies to complex systems such as solar inverters, EV chargers, 48V data-center power, battery energy storage, and digitally managed industrial power platforms.

Market Drive

Market growth is mainly driven by rising efficiency requirements, stricter energy regulations, wider adoption of renewable energy, electrification of vehicles, and rapid expansion of high-power data-center infrastructure. Power systems need faster dynamic response, lower losses, smaller size, better thermal performance, and more intelligent fault protection. Digital Power Control MCUs help engineers implement advanced algorithms for PFC, LLC, buck, boost, phase-shift full bridge, inverter, and bidirectional conversion topologies. They also reduce external circuitry, enable remote monitoring, shorten development cycles, and support flexible product platforms. These benefits make digital control attractive for both new designs and upgrades from legacy analog power systems.

Upstream and Downstream

The upstream market includes semiconductor foundries, wafer suppliers, EDA tools, IP cores, analog and mixed-signal blocks, ADCs, timers, PWM modules, memory, packaging, testing services, development boards, firmware libraries, and power-stage components such as MOSFETs, IGBTs, SiC/GaN devices, gate drivers, sensors, magnetics, and capacitors. The downstream market includes power supply manufacturers, EV charger suppliers, solar inverter makers, data-center power equipment companies, telecom power system vendors, industrial automation firms,

consumer electronics brands, energy storage integrators, and automotive electronics suppliers. Downstream buyers value real-time performance, control accuracy, reliability, software support, safety compliance, supply stability, and total system cost.

This report is a detailed and comprehensive analysis for global Digital Power Control MCUs market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Digital Power Control MCUs market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Digital Power Control MCUs market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Digital Power Control MCUs market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Digital Power Control MCUs market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Digital Power Control MCUs

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Digital Power Control MCUs market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Texas Instruments Incorporated, Microchip Technology Incorporated, STMicroelectronics N.V., Infineon Technologies AG, NXP Semiconductors N.V., Renesas Electronics Corporation, Nuvoton Technology Corporation, GigaDevice Semiconductor Inc., Sanken Electric Co., Ltd., Silicon Laboratories Inc., etc.

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

Market Segmentation

Digital Power Control MCUs market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

32-bit

16-bit

Market segment by Control

Power Control

Converter Control

Others

Market segment by Classification

Real-time

High-performance

Market segment by Application

Servers

Automotive

Industrial

Others

Major players covered

Texas Instruments Incorporated

Microchip Technology Incorporated

STMicroelectronics N.V.

Infineon Technologies AG

NXP Semiconductors N.V.

Renesas Electronics Corporation

Nuvoton Technology Corporation

GigaDevice Semiconductor Inc.

Sanken Electric Co., Ltd.

Silicon Laboratories Inc.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

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

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

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

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

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

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

Chapter 2, to profile the top manufacturers of Digital Power Control MCUs, with price, sales quantity, revenue, and global market share of Digital Power Control MCUs from 2021 to 2026.

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

Chapter 4, the Digital Power Control MCUs breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Digital Power Control MCUs market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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

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

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Digital Power Control MCUs Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 32-bit

1.3.3 16-bit

1.4 Market Analysis by Control

1.4.1 Overview: Global Digital Power Control MCUs Consumption Value by Control: 2021 Versus 2025 Versus 2032

1.4.2 Power Control

1.4.3 Converter Control

1.4.4 Others

1.5 Market Analysis by Classification

1.5.1 Overview: Global Digital Power Control MCUs Consumption Value by Classification: 2021 Versus 2025 Versus 2032

1.5.2 Real-time

1.5.3 High-performance

1.6 Market Analysis by Application

1.6.1 Overview: Global Digital Power Control MCUs Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Servers

1.6.3 Automotive

1.6.4 Industrial

1.6.5 Others

1.7 Global Digital Power Control MCUs Market Size & Forecast

1.7.1 Global Digital Power Control MCUs Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Digital Power Control MCUs Sales Quantity (2021-2032)

1.7.3 Global Digital Power Control MCUs Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Texas Instruments Incorporated

2.1.1 Texas Instruments Incorporated Details

2.1.2 Texas Instruments Incorporated Major Business

2.1.3 Texas Instruments Incorporated Digital Power Control MCUs Product and Services

2.1.4 Texas Instruments Incorporated Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Texas Instruments Incorporated Recent Developments/Updates

2.2 Microchip Technology Incorporated

2.2.1 Microchip Technology Incorporated Details

2.2.2 Microchip Technology Incorporated Major Business

2.2.3 Microchip Technology Incorporated Digital Power Control MCUs Product and Services

2.2.4 Microchip Technology Incorporated Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Microchip Technology Incorporated Recent Developments/Updates

2.3 STMicroelectronics N.V.

2.3.1 STMicroelectronics N.V. Details

2.3.2 STMicroelectronics N.V. Major Business

2.3.3 STMicroelectronics N.V. Digital Power Control MCUs Product and Services

2.3.4 STMicroelectronics N.V. Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 STMicroelectronics N.V. Recent Developments/Updates

2.4 Infineon Technologies AG

2.4.1 Infineon Technologies AG Details

2.4.2 Infineon Technologies AG Major Business

2.4.3 Infineon Technologies AG Digital Power Control MCUs Product and Services

2.4.4 Infineon Technologies AG Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Infineon Technologies AG Recent Developments/Updates

2.5 NXP Semiconductors N.V.

2.5.1 NXP Semiconductors N.V. Details

2.5.2 NXP Semiconductors N.V. Major Business

2.5.3 NXP Semiconductors N.V. Digital Power Control MCUs Product and Services

2.5.4 NXP Semiconductors N.V. Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 NXP Semiconductors N.V. Recent Developments/Updates

2.6 Renesas Electronics Corporation

2.6.1 Renesas Electronics Corporation Details

2.6.2 Renesas Electronics Corporation Major Business

2.6.3 Renesas Electronics Corporation Digital Power Control MCUs Product and Services

2.6.4 Renesas Electronics Corporation Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Renesas Electronics Corporation Recent Developments/Updates

2.7 Nuvoton Technology Corporation

2.7.1 Nuvoton Technology Corporation Details

2.7.2 Nuvoton Technology Corporation Major Business

2.7.3 Nuvoton Technology Corporation Digital Power Control MCUs Product and Services

2.7.4 Nuvoton Technology Corporation Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Nuvoton Technology Corporation Recent Developments/Updates

2.8 GigaDevice Semiconductor Inc.

2.8.1 GigaDevice Semiconductor Inc. Details

2.8.2 GigaDevice Semiconductor Inc. Major Business

2.8.3 GigaDevice Semiconductor Inc. Digital Power Control MCUs Product and Services

2.8.4 GigaDevice Semiconductor Inc. Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 GigaDevice Semiconductor Inc. Recent Developments/Updates

2.9 Sanken Electric Co., Ltd.

2.9.1 Sanken Electric Co., Ltd. Details

2.9.2 Sanken Electric Co., Ltd. Major Business

2.9.3 Sanken Electric Co., Ltd. Digital Power Control MCUs Product and Services

2.9.4 Sanken Electric Co., Ltd. Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Sanken Electric Co., Ltd. Recent Developments/Updates

2.10 Silicon Laboratories Inc.

2.10.1 Silicon Laboratories Inc. Details

2.10.2 Silicon Laboratories Inc. Major Business

2.10.3 Silicon Laboratories Inc. Digital Power Control MCUs Product and Services

2.10.4 Silicon Laboratories Inc. Digital Power Control MCUs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Silicon Laboratories Inc. Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: DIGITAL POWER CONTROL MCUS BY MANUFACTURER

3.1 Global Digital Power Control MCUs Sales Quantity by Manufacturer (2021-2026)

3.2 Global Digital Power Control MCUs Revenue by Manufacturer (2021-2026)

- 3.3 Global Digital Power Control MCUs Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Digital Power Control MCUs by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Digital Power Control MCUs Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Digital Power Control MCUs Manufacturer Market Share in 2025
- 3.5 Digital Power Control MCUs Market: Overall Company Footprint Analysis
 - 3.5.1 Digital Power Control MCUs Market: Region Footprint
 - 3.5.2 Digital Power Control MCUs Market: Company Product Type Footprint
 - 3.5.3 Digital Power Control MCUs 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 Control MCUs Market Size by Region
 - 4.1.1 Global Digital Power Control MCUs Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Digital Power Control MCUs Consumption Value by Region (2021-2032)
 - 4.1.3 Global Digital Power Control MCUs Average Price by Region (2021-2032)
- 4.2 North America Digital Power Control MCUs Consumption Value (2021-2032)
- 4.3 Europe Digital Power Control MCUs Consumption Value (2021-2032)
- 4.4 Asia-Pacific Digital Power Control MCUs Consumption Value (2021-2032)
- 4.5 South America Digital Power Control MCUs Consumption Value (2021-2032)
- 4.6 Middle East & Africa Digital Power Control MCUs Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Digital Power Control MCUs Sales Quantity by Type (2021-2032)
- 5.2 Global Digital Power Control MCUs Consumption Value by Type (2021-2032)
- 5.3 Global Digital Power Control MCUs Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Digital Power Control MCUs Sales Quantity by Application (2021-2032)
- 6.2 Global Digital Power Control MCUs Consumption Value by Application (2021-2032)
- 6.3 Global Digital Power Control MCUs Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Digital Power Control MCUs Sales Quantity by Type (2021-2032)

7.2 North America Digital Power Control MCUs Sales Quantity by Application (2021-2032)

7.3 North America Digital Power Control MCUs Market Size by Country

7.3.1 North America Digital Power Control MCUs Sales Quantity by Country (2021-2032)

7.3.2 North America Digital Power Control MCUs Consumption Value by Country (2021-2032)

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

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Digital Power Control MCUs Sales Quantity by Type (2021-2032)

8.2 Europe Digital Power Control MCUs Sales Quantity by Application (2021-2032)

8.3 Europe Digital Power Control MCUs Market Size by Country

8.3.1 Europe Digital Power Control MCUs Sales Quantity by Country (2021-2032)

8.3.2 Europe Digital Power Control MCUs Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

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

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Digital Power Control MCUs Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Digital Power Control MCUs Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Digital Power Control MCUs Market Size by Region

9.3.1 Asia-Pacific Digital Power Control MCUs Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Digital Power Control MCUs Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

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

9.3.6 India Market Size and Forecast (2021-2032)

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

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Digital Power Control MCUs Sales Quantity by Type (2021-2032)

10.2 South America Digital Power Control MCUs Sales Quantity by Application (2021-2032)

10.3 South America Digital Power Control MCUs Market Size by Country

10.3.1 South America Digital Power Control MCUs Sales Quantity by Country (2021-2032)

10.3.2 South America Digital Power Control MCUs Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Digital Power Control MCUs Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Digital Power Control MCUs Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Digital Power Control MCUs Market Size by Country

11.3.1 Middle East & Africa Digital Power Control MCUs Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Digital Power Control MCUs Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

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

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

12 MARKET DYNAMICS

12.1 Digital Power Control MCUs Market Drivers

12.2 Digital Power Control MCUs Market Restraints

12.3 Digital Power Control MCUs 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 Control MCUs and Key Manufacturers

13.2 Manufacturing Costs Percentage of Digital Power Control MCUs

13.3 Digital Power Control MCUs Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Digital Power Control MCUs Typical Distributors

14.3 Digital Power Control MCUs 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 Control MCUs Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Digital Power Control MCUs Consumption Value by Control, (USD Million), 2021 & 2025 & 2032

Table 3. Global Digital Power Control MCUs Consumption Value by Classification, (USD Million), 2021 & 2025 & 2032

Table 4. Global Digital Power Control MCUs Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Texas Instruments Incorporated Basic Information, Manufacturing Base and Competitors

Table 6. Texas Instruments Incorporated Major Business

Table 7. Texas Instruments Incorporated Digital Power Control MCUs Product and Services

Table 8. Texas Instruments Incorporated Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Texas Instruments Incorporated Recent Developments/Updates

Table 10. Microchip Technology Incorporated Basic Information, Manufacturing Base and Competitors

Table 11. Microchip Technology Incorporated Major Business

Table 12. Microchip Technology Incorporated Digital Power Control MCUs Product and Services

Table 13. Microchip Technology Incorporated Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Microchip Technology Incorporated Recent Developments/Updates

Table 15. STMicroelectronics N.V. Basic Information, Manufacturing Base and Competitors

Table 16. STMicroelectronics N.V. Major Business

Table 17. STMicroelectronics N.V. Digital Power Control MCUs Product and Services

Table 18. STMicroelectronics N.V. Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. STMicroelectronics N.V. Recent Developments/Updates

Table 20. Infineon Technologies AG Basic Information, Manufacturing Base and

Competitors

Table 21. Infineon Technologies AG Major Business

Table 22. Infineon Technologies AG Digital Power Control MCUs Product and Services

Table 23. Infineon Technologies AG Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Infineon Technologies AG Recent Developments/Updates

Table 25. NXP Semiconductors N.V. Basic Information, Manufacturing Base and Competitors

Table 26. NXP Semiconductors N.V. Major Business

Table 27. NXP Semiconductors N.V. Digital Power Control MCUs Product and Services

Table 28. NXP Semiconductors N.V. Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. NXP Semiconductors N.V. Recent Developments/Updates

Table 30. Renesas Electronics Corporation Basic Information, Manufacturing Base and Competitors

Table 31. Renesas Electronics Corporation Major Business

Table 32. Renesas Electronics Corporation Digital Power Control MCUs Product and Services

Table 33. Renesas Electronics Corporation Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Renesas Electronics Corporation Recent Developments/Updates

Table 35. Nuvoton Technology Corporation Basic Information, Manufacturing Base and Competitors

Table 36. Nuvoton Technology Corporation Major Business

Table 37. Nuvoton Technology Corporation Digital Power Control MCUs Product and Services

Table 38. Nuvoton Technology Corporation Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Nuvoton Technology Corporation Recent Developments/Updates

Table 40. GigaDevice Semiconductor Inc. Basic Information, Manufacturing Base and Competitors

Table 41. GigaDevice Semiconductor Inc. Major Business

Table 42. GigaDevice Semiconductor Inc. Digital Power Control MCUs Product and Services

Table 43. GigaDevice Semiconductor Inc. Digital Power Control MCUs Sales Quantity

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

Table 44. GigaDevice Semiconductor Inc. Recent Developments/Updates

Table 45. Sanken Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 46. Sanken Electric Co., Ltd. Major Business

Table 47. Sanken Electric Co., Ltd. Digital Power Control MCUs Product and Services

Table 48. Sanken Electric Co., Ltd. Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Sanken Electric Co., Ltd. Recent Developments/Updates

Table 50. Silicon Laboratories Inc. Basic Information, Manufacturing Base and Competitors

Table 51. Silicon Laboratories Inc. Major Business

Table 52. Silicon Laboratories Inc. Digital Power Control MCUs Product and Services

Table 53. Silicon Laboratories Inc. Digital Power Control MCUs Sales Quantity (Million Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Silicon Laboratories Inc. Recent Developments/Updates

Table 55. Global Digital Power Control MCUs Sales Quantity by Manufacturer (2021-2026) & (Million Units)

Table 56. Global Digital Power Control MCUs Revenue by Manufacturer (2021-2026) & (USD Million)

Table 57. Global Digital Power Control MCUs Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 58. Market Position of Manufacturers in Digital Power Control MCUs, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 59. Head Office and Digital Power Control MCUs Production Site of Key Manufacturer

Table 60. Digital Power Control MCUs Market: Company Product Type Footprint

Table 61. Digital Power Control MCUs Market: Company Product Application Footprint

Table 62. Digital Power Control MCUs New Market Entrants and Barriers to Market Entry

Table 63. Digital Power Control MCUs Mergers, Acquisition, Agreements, and Collaborations

Table 64. Global Digital Power Control MCUs Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 65. Global Digital Power Control MCUs Sales Quantity by Region (2021-2026) & (Million Units)

Table 66. Global Digital Power Control MCUs Sales Quantity by Region (2027-2032) & (Million Units)

Table 67. Global Digital Power Control MCUs Consumption Value by Region (2021-2026) & (USD Million)

Table 68. Global Digital Power Control MCUs Consumption Value by Region (2027-2032) & (USD Million)

Table 69. Global Digital Power Control MCUs Average Price by Region (2021-2026) & (US\$/Unit)

Table 70. Global Digital Power Control MCUs Average Price by Region (2027-2032) & (US\$/Unit)

Table 71. Global Digital Power Control MCUs Sales Quantity by Type (2021-2026) & (Million Units)

Table 72. Global Digital Power Control MCUs Sales Quantity by Type (2027-2032) & (Million Units)

Table 73. Global Digital Power Control MCUs Consumption Value by Type (2021-2026) & (USD Million)

Table 74. Global Digital Power Control MCUs Consumption Value by Type (2027-2032) & (USD Million)

Table 75. Global Digital Power Control MCUs Average Price by Type (2021-2026) & (US\$/Unit)

Table 76. Global Digital Power Control MCUs Average Price by Type (2027-2032) & (US\$/Unit)

Table 77. Global Digital Power Control MCUs Sales Quantity by Application (2021-2026) & (Million Units)

Table 78. Global Digital Power Control MCUs Sales Quantity by Application (2027-2032) & (Million Units)

Table 79. Global Digital Power Control MCUs Consumption Value by Application (2021-2026) & (USD Million)

Table 80. Global Digital Power Control MCUs Consumption Value by Application (2027-2032) & (USD Million)

Table 81. Global Digital Power Control MCUs Average Price by Application (2021-2026) & (US\$/Unit)

Table 82. Global Digital Power Control MCUs Average Price by Application (2027-2032) & (US\$/Unit)

Table 83. North America Digital Power Control MCUs Sales Quantity by Type (2021-2026) & (Million Units)

Table 84. North America Digital Power Control MCUs Sales Quantity by Type (2027-2032) & (Million Units)

Table 85. North America Digital Power Control MCUs Sales Quantity by Application

(2021-2026) & (Million Units)

Table 86. North America Digital Power Control MCUs Sales Quantity by Application

(2027-2032) & (Million Units)

Table 87. North America Digital Power Control MCUs Sales Quantity by Country

(2021-2026) & (Million Units)

Table 88. North America Digital Power Control MCUs Sales Quantity by Country

(2027-2032) & (Million Units)

Table 89. North America Digital Power Control MCUs Consumption Value by Country

(2021-2026) & (USD Million)

Table 90. North America Digital Power Control MCUs Consumption Value by Country

(2027-2032) & (USD Million)

Table 91. Europe Digital Power Control MCUs Sales Quantity by Type (2021-2026) & (Million Units)

Table 92. Europe Digital Power Control MCUs Sales Quantity by Type (2027-2032) & (Million Units)

Table 93. Europe Digital Power Control MCUs Sales Quantity by Application (2021-2026) & (Million Units)

Table 94. Europe Digital Power Control MCUs Sales Quantity by Application (2027-2032) & (Million Units)

Table 95. Europe Digital Power Control MCUs Sales Quantity by Country (2021-2026) & (Million Units)

Table 96. Europe Digital Power Control MCUs Sales Quantity by Country (2027-2032) & (Million Units)

Table 97. Europe Digital Power Control MCUs Consumption Value by Country (2021-2026) & (USD Million)

Table 98. Europe Digital Power Control MCUs Consumption Value by Country (2027-2032) & (USD Million)

Table 99. Asia-Pacific Digital Power Control MCUs Sales Quantity by Type (2021-2026) & (Million Units)

Table 100. Asia-Pacific Digital Power Control MCUs Sales Quantity by Type (2027-2032) & (Million Units)

Table 101. Asia-Pacific Digital Power Control MCUs Sales Quantity by Application (2021-2026) & (Million Units)

Table 102. Asia-Pacific Digital Power Control MCUs Sales Quantity by Application (2027-2032) & (Million Units)

Table 103. Asia-Pacific Digital Power Control MCUs Sales Quantity by Region (2021-2026) & (Million Units)

Table 104. Asia-Pacific Digital Power Control MCUs Sales Quantity by Region (2027-2032) & (Million Units)

Table 105. Asia-Pacific Digital Power Control MCUs Consumption Value by Region (2021-2026) & (USD Million)

Table 106. Asia-Pacific Digital Power Control MCUs Consumption Value by Region (2027-2032) & (USD Million)

Table 107. South America Digital Power Control MCUs Sales Quantity by Type (2021-2026) & (Million Units)

Table 108. South America Digital Power Control MCUs Sales Quantity by Type (2027-2032) & (Million Units)

Table 109. South America Digital Power Control MCUs Sales Quantity by Application (2021-2026) & (Million Units)

Table 110. South America Digital Power Control MCUs Sales Quantity by Application (2027-2032) & (Million Units)

Table 111. South America Digital Power Control MCUs Sales Quantity by Country (2021-2026) & (Million Units)

Table 112. South America Digital Power Control MCUs Sales Quantity by Country (2027-2032) & (Million Units)

Table 113. South America Digital Power Control MCUs Consumption Value by Country (2021-2026) & (USD Million)

Table 114. South America Digital Power Control MCUs Consumption Value by Country (2027-2032) & (USD Million)

Table 115. Middle East & Africa Digital Power Control MCUs Sales Quantity by Type (2021-2026) & (Million Units)

Table 116. Middle East & Africa Digital Power Control MCUs Sales Quantity by Type (2027-2032) & (Million Units)

Table 117. Middle East & Africa Digital Power Control MCUs Sales Quantity by Application (2021-2026) & (Million Units)

Table 118. Middle East & Africa Digital Power Control MCUs Sales Quantity by Application (2027-2032) & (Million Units)

Table 119. Middle East & Africa Digital Power Control MCUs Sales Quantity by Country (2021-2026) & (Million Units)

Table 120. Middle East & Africa Digital Power Control MCUs Sales Quantity by Country (2027-2032) & (Million Units)

Table 121. Middle East & Africa Digital Power Control MCUs Consumption Value by Country (2021-2026) & (USD Million)

Table 122. Middle East & Africa Digital Power Control MCUs Consumption Value by Country (2027-2032) & (USD Million)

Table 123. Digital Power Control MCUs Raw Material

Table 124. Key Manufacturers of Digital Power Control MCUs Raw Materials

Table 125. Digital Power Control MCUs Typical Distributors

Table 126. Digital Power Control MCUs Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Digital Power Control MCUs Picture
- Figure 2. Global Digital Power Control MCUs Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Digital Power Control MCUs Revenue Market Share by Type in 2025
- Figure 4. 32-bit Examples
- Figure 5. 16-bit Examples
- Figure 6. Global Digital Power Control MCUs Revenue by Control, (USD Million), 2021 & 2025 & 2032
- Figure 7. Global Digital Power Control MCUs Revenue Market Share by Control in 2025
- Figure 8. Power Control Examples
- Figure 9. Converter Control Examples
- Figure 10. Others Examples
- Figure 11. Global Digital Power Control MCUs Revenue by Classification, (USD Million), 2021 & 2025 & 2032
- Figure 12. Global Digital Power Control MCUs Revenue Market Share by Classification in 2025
- Figure 13. Real-time Examples
- Figure 14. High-performance Examples
- Figure 15. Global Digital Power Control MCUs Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 16. Global Digital Power Control MCUs Revenue Market Share by Application in 2025
- Figure 17. Servers Examples
- Figure 18. Automotive Examples
- Figure 19. Industrial Examples
- Figure 20. Others Examples
- Figure 21. Global Digital Power Control MCUs Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 22. Global Digital Power Control MCUs Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 23. Global Digital Power Control MCUs Sales Quantity (2021-2032) & (Million Units)
- Figure 24. Global Digital Power Control MCUs Price (2021-2032) & (US\$/Unit)
- Figure 25. Global Digital Power Control MCUs Sales Quantity Market Share by Manufacturer in 2025

Figure 26. Global Digital Power Control MCUs Revenue Market Share by Manufacturer in 2025

Figure 27. Producer Shipments of Digital Power Control MCUs by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 28. Top 3 Digital Power Control MCUs Manufacturer (Revenue) Market Share in 2025

Figure 29. Top 6 Digital Power Control MCUs Manufacturer (Revenue) Market Share in 2025

Figure 30. Global Digital Power Control MCUs Sales Quantity Market Share by Region (2021-2032)

Figure 31. Global Digital Power Control MCUs Consumption Value Market Share by Region (2021-2032)

Figure 32. North America Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 33. Europe Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 34. Asia-Pacific Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 35. South America Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 36. Middle East & Africa Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 37. Global Digital Power Control MCUs Sales Quantity Market Share by Type (2021-2032)

Figure 38. Global Digital Power Control MCUs Consumption Value Market Share by Type (2021-2032)

Figure 39. Global Digital Power Control MCUs Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. Global Digital Power Control MCUs Sales Quantity Market Share by Application (2021-2032)

Figure 41. Global Digital Power Control MCUs Revenue Market Share by Application (2021-2032)

Figure 42. Global Digital Power Control MCUs Average Price by Application (2021-2032) & (US\$/Unit)

Figure 43. North America Digital Power Control MCUs Sales Quantity Market Share by Type (2021-2032)

Figure 44. North America Digital Power Control MCUs Sales Quantity Market Share by Application (2021-2032)

Figure 45. North America Digital Power Control MCUs Sales Quantity Market Share by

Country (2021-2032)

Figure 46. North America Digital Power Control MCUs Consumption Value Market Share by Country (2021-2032)

Figure 47. United States Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 48. Canada Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 49. Mexico Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 50. Europe Digital Power Control MCUs Sales Quantity Market Share by Type (2021-2032)

Figure 51. Europe Digital Power Control MCUs Sales Quantity Market Share by Application (2021-2032)

Figure 52. Europe Digital Power Control MCUs Sales Quantity Market Share by Country (2021-2032)

Figure 53. Europe Digital Power Control MCUs Consumption Value Market Share by Country (2021-2032)

Figure 54. Germany Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 55. France Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 56. United Kingdom Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 57. Russia Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 58. Italy Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 59. Asia-Pacific Digital Power Control MCUs Sales Quantity Market Share by Type (2021-2032)

Figure 60. Asia-Pacific Digital Power Control MCUs Sales Quantity Market Share by Application (2021-2032)

Figure 61. Asia-Pacific Digital Power Control MCUs Sales Quantity Market Share by Region (2021-2032)

Figure 62. Asia-Pacific Digital Power Control MCUs Consumption Value Market Share by Region (2021-2032)

Figure 63. China Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 64. Japan Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 65. South Korea Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 66. India Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 67. Southeast Asia Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 68. Australia Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 69. South America Digital Power Control MCUs Sales Quantity Market Share by Type (2021-2032)

Figure 70. South America Digital Power Control MCUs Sales Quantity Market Share by Application (2021-2032)

Figure 71. South America Digital Power Control MCUs Sales Quantity Market Share by Country (2021-2032)

Figure 72. South America Digital Power Control MCUs Consumption Value Market Share by Country (2021-2032)

Figure 73. Brazil Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 74. Argentina Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 75. Middle East & Africa Digital Power Control MCUs Sales Quantity Market Share by Type (2021-2032)

Figure 76. Middle East & Africa Digital Power Control MCUs Sales Quantity Market Share by Application (2021-2032)

Figure 77. Middle East & Africa Digital Power Control MCUs Sales Quantity Market Share by Country (2021-2032)

Figure 78. Middle East & Africa Digital Power Control MCUs Consumption Value Market Share by Country (2021-2032)

Figure 79. Turkey Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 80. Egypt Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 81. Saudi Arabia Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 82. South Africa Digital Power Control MCUs Consumption Value (2021-2032) & (USD Million)

Figure 83. Digital Power Control MCUs Market Drivers

Figure 84. Digital Power Control MCUs Market Restraints

Figure 85. Digital Power Control MCUs Market Trends

Figure 86. Porters Five Forces Analysis

Figure 87. Manufacturing Cost Structure Analysis of Digital Power Control MCUs in 2025

Figure 88. Manufacturing Process Analysis of Digital Power Control MCUs

Figure 89. Digital Power Control MCUs Industrial Chain

Figure 90. Sales Channel: Direct to End-User vs Distributors

Figure 91. Direct Channel Pros & Cons

Figure 92. Indirect Channel Pros & Cons

Figure 93. Methodology

Figure 94. Research Process and Data Source

I would like to order

Product name: Global Digital Power Control MCUs Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GD6CEF726493EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD6CEF726493EN.html>