

Global Pump Controller IC Market Growth 2026-2032

<https://marketpublishers.com/r/G950EFF32983EN.html>

Date: July 2026

Pages: 106

Price: US\$ 3,660.00 (Single User License)

ID: G950EFF32983EN

Abstracts

The global Pump Controller IC market size is predicted to grow from US\$ 125 million in 2025 to US\$ 348 million in 2032; it is expected to grow at a CAGR of 15.4% from 2026 to 2032.

Liquid cooling pump motor controller ICs are semiconductor components used to control and drive the electric motors inside liquid-cooling pumps. They are implemented as motor-control MCUs or ASICs, three-phase gate pre-drivers, integrated BLDC driver ICs, motor-control SoCs or SiPs, and selected intelligent power modules. These ICs provide commutation, speed control, torque regulation, current sensing, diagnostics, protection, and communication functions for BLDC or PMSM pump motors. Key technical requirements include reliable start-up, quiet low-speed operation, FOC or six-step control, wide operating voltage, current-sense integration, over-current and thermal protection, stall detection, and LIN, CAN, PWM, I²C, or SPI interfaces. Major applications include data-center CDUs, direct-to-chip liquid-cooling pumps, AI server cooling modules, automotive electric water pumps, battery coolant pumps, industrial thermal-management pumps, and compact piezoelectric or micro liquid-cooling pumps in portable electronics.

Based on our research, liquid cooling pump controller ICs should be understood as an application-specific branch of BLDC/PMSM motor-control semiconductors rather than a fully separate semiconductor category. Under a narrow definition, the market should include motor-control MCUs and ASICs, three-phase gate pre-drivers, integrated BLDC drivers, motor-control SoCs or SiPs, and selected intelligent power modules used to control liquid-cooling pump motors. It should not include complete pumps, CDUs, cold plates, tubing, pump controller boards, or system-level thermal-management software. The key value of these ICs lies in reliable start-up, stable low-speed operation, quiet commutation, flow-related speed control, current sensing, diagnostics, and protection. Automotive-grade and industrial-grade suppliers are structurally advantaged because

pump applications place higher requirements on reliability, temperature range, communication interfaces, and fault handling.

From a supply perspective, the global market is still led by established analog, automotive semiconductor, and motor-control IC suppliers in North America, Europe, and Japan. Infineon, Texas Instruments, STMicroelectronics, NXP, Microchip, Allegro, Melexis, Elmos, Toshiba, ROHM, Renesas, onsemi, and Monolithic Power Systems have stronger product depth in BLDC/PMSM control, gate-driver integration, automotive qualification, and power-stage know-how. Chinese suppliers are moving from home appliances, fans, power tools, and consumer motor-control applications into automotive thermal management, server cooling, and compact active liquid-cooling use cases. Fortior has the strongest public evidence among Chinese BLDC-control IC vendors, while Hangshun, ChipON, NOVOSENSE, and Awinic should be tracked as extended suppliers or emerging entrants in motor-control MCUs, automotive control ICs, and piezoelectric micropump drivers.

Demand is currently anchored by automotive electric water pumps, coolant pumps, and battery thermal-management pumps, while AI data-center liquid cooling is becoming the fastest-growing incremental segment. Higher rack power density, direct-to-chip cooling, CDUs, and server-level cooling modules all require more precise and reliable pump control. Policy and infrastructure factors also matter: data-center energy-efficiency reporting and sustainability requirements are becoming more important, especially in Europe, and liquid cooling is increasingly positioned as a key enabling technology for high-density AI infrastructure. The strong rise in data-center electricity demand and the thermal density of AI accelerators indirectly support the growth outlook for liquid-cooling pump control ICs, although chip revenue remains only a small fraction of total liquid-cooling system value.

From a technology-roadmap perspective, the market is moving from discrete MCU plus pre-driver plus MOSFET designs toward more integrated SoCs, smart pre-drivers, sensorless FOC drivers, code-free motor-control ICs, and highly diagnostic automotive-qualified solutions. Automotive applications prioritize AEC-Q100 qualification, LIN/CAN/PWM communication, high-temperature robustness, and functional-safety readiness. Data-center applications emphasize efficiency, telemetry, redundancy, acoustic performance, and long operating life. Consumer and portable electronics may introduce a different technology path through piezoelectric micropump drivers. Future competition will depend not only on silicon cost, but also on motor algorithm capability, reference designs, pump-motor matching, customer qualification cycles, and long-term supply stability.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Pump Controller IC and breaks down the forecast by Motor and Pump Drive Method, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Pump Controller IC.

This report presents a comprehensive overview, market shares, and growth opportunities of Pump Controller IC market by product type, application, key manufacturers and key regions and countries.

Segmentation by Motor and Pump Drive Method:

Sensorless BLDC / PMSM

Hall-sensored BLDC

FOC Control

Six-step Commutation

Piezoelectric Drive

Segmentation by Voltage and Power Class:

Low-voltage Low-power

12V

24V?48V Medium-power

High-power External-FET Drive

Segmentation by Qualification and Reliability Grade:

Automotive Grade

Industrial Grade

Data-center Grade

Small Device Consumer Grade

Medical / Specialty Grade

Segmentation by Application:

Data Center Liquid Cooling Pumps

Server Internal Cooling Pumps

Automotive Electric Water Pumps

Consumer Micro Liquid-cooling Pumps

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Texas Instruments Incorporated

Infineon Technologies AG

STMicroelectronics N.V.

NXP Semiconductors N.V.

Renesas Electronics Corporation

Microchip Technology Inc.

Allegro MicroSystems, Inc.

Melexis NV

Elmos Semiconductor SE

Toshiba Electronic Devices & Storage Corporation

ROHM Co.Ltd.

Monolithic Power Systems, Inc.

onsemi

Diodes Incorporated

Fortior Technology (Shenzhen) Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Pump Controller IC market?

What factors are driving Pump Controller IC market growth, globally and by region?

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

How do Pump Controller IC market opportunities vary by end market size?

How does Pump Controller IC break out by Motor and Pump Drive Method, by Application?

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Pump Controller IC Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Pump Controller IC by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Pump Controller IC by Country/Region, 2021, 2025 & 2032
- 2.2 Pump Controller IC Segment by Motor and Pump Drive Method
 - 2.2.1 Sensorless BLDC / PMSM
 - 2.2.2 Hall-sensored BLDC
 - 2.2.3 FOC Control
 - 2.2.4 Six-step Commutation
 - 2.2.5 Piezoelectric Drive
 - 2.2.6 Pump Controller IC Sales by Motor and Pump Drive Method
 - 2.2.6.1 Global Pump Controller IC Sales Market Share by Motor and Pump Drive Method (2021-2026)
 - 2.2.6.2 Global Pump Controller IC Revenue and Market Share by Motor and Pump Drive Method (2021-2026)
 - 2.2.6.3 Global Pump Controller IC Sale Price by Motor and Pump Drive Method (2021-2026)
- 2.3 Pump Controller IC Segment by Voltage and Power Class
 - 2.3.1 Low-voltage Low-power
 - 2.3.2 12V
 - 2.3.3 24V?48V Medium-power
 - 2.3.4 High-power External-FET Drive

2.3.5 Pump Controller IC Sales by Voltage and Power Class

2.3.5.1 Global Pump Controller IC Sales Market Share by Voltage and Power Class (2021-2026)

2.3.5.2 Global Pump Controller IC Revenue and Market Share by Voltage and Power Class (2021-2026)

2.3.5.3 Global Pump Controller IC Sale Price by Voltage and Power Class (2021-2026)

2.4 Pump Controller IC Segment by Qualification and Reliability Grade

2.4.1 Automotive Grade

2.4.2 Industrial Grade

2.4.3 Data-center Grade

2.4.4 Small Device Consumer Grade

2.4.5 Medical / Specialty Grade

2.4.6 Pump Controller IC Sales by Qualification and Reliability Grade

2.4.6.1 Global Pump Controller IC Sales Market Share by Qualification and Reliability Grade (2021-2026)

2.4.6.2 Global Pump Controller IC Revenue and Market Share by Qualification and Reliability Grade (2021-2026)

2.4.6.3 Global Pump Controller IC Sale Price by Qualification and Reliability Grade (2021-2026)

2.5 Pump Controller IC Segment by Application

2.5.1 Data Center Liquid Cooling Pumps

2.5.2 Server Internal Cooling Pumps

2.5.3 Automotive Electric Water Pumps

2.5.4 Consumer Micro Liquid-cooling Pumps

2.5.5 Pump Controller IC Sales by Application

2.5.5.1 Global Pump Controller IC Sale Market Share by Application (2021-2026)

2.5.5.2 Global Pump Controller IC Revenue and Market Share by Application (2021-2026)

2.5.5.3 Global Pump Controller IC Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Pump Controller IC Breakdown Data by Company

3.1.1 Global Pump Controller IC Annual Sales by Company (2021-2026)

3.1.2 Global Pump Controller IC Sales Market Share by Company (2021-2026)

3.2 Global Pump Controller IC Annual Revenue by Company (2021-2026)

3.2.1 Global Pump Controller IC Revenue by Company (2021-2026)

3.2.2 Global Pump Controller IC Revenue Market Share by Company (2021-2026)

- 3.3 Global Pump Controller IC Sale Price by Company
- 3.4 Key Manufacturers Pump Controller IC Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Pump Controller IC Product Location Distribution
 - 3.4.2 Players Pump Controller IC Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR PUMP CONTROLLER IC BY GEOGRAPHIC REGION

- 4.1 World Historic Pump Controller IC Market Size by Geographic Region (2021-2026)
 - 4.1.1 Global Pump Controller IC Annual Sales by Geographic Region (2021-2026)
 - 4.1.2 Global Pump Controller IC Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Pump Controller IC Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Pump Controller IC Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Pump Controller IC Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Pump Controller IC Sales Growth
- 4.4 APAC Pump Controller IC Sales Growth
- 4.5 Europe Pump Controller IC Sales Growth
- 4.6 Middle East & Africa Pump Controller IC Sales Growth

5 AMERICAS

- 5.1 Americas Pump Controller IC Sales by Country
 - 5.1.1 Americas Pump Controller IC Sales by Country (2021-2026)
 - 5.1.2 Americas Pump Controller IC Revenue by Country (2021-2026)
- 5.2 Americas Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026)
- 5.3 Americas Pump Controller IC Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

6.1 APAC Pump Controller IC Sales by Region

6.1.1 APAC Pump Controller IC Sales by Region (2021-2026)

6.1.2 APAC Pump Controller IC Revenue by Region (2021-2026)

6.2 APAC Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026)

6.3 APAC Pump Controller IC Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Pump Controller IC by Country

7.1.1 Europe Pump Controller IC Sales by Country (2021-2026)

7.1.2 Europe Pump Controller IC Revenue by Country (2021-2026)

7.2 Europe Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026)

7.3 Europe Pump Controller IC Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Pump Controller IC by Country

8.1.1 Middle East & Africa Pump Controller IC Sales by Country (2021-2026)

8.1.2 Middle East & Africa Pump Controller IC Revenue by Country (2021-2026)

8.2 Middle East & Africa Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026)

8.3 Middle East & Africa Pump Controller IC Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Pump Controller IC
- 10.3 Manufacturing Process Analysis of Pump Controller IC
- 10.4 Industry Chain Structure of Pump Controller IC

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Pump Controller IC Distributors
- 11.3 Pump Controller IC Customer

12 WORLD FORECAST REVIEW FOR PUMP CONTROLLER IC BY GEOGRAPHIC REGION

- 12.1 Global Pump Controller IC Market Size Forecast by Region
 - 12.1.1 Global Pump Controller IC Forecast by Region (2027-2032)
 - 12.1.2 Global Pump Controller IC Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Pump Controller IC Forecast by Motor and Pump Drive Method (2027-2032)
- 12.7 Global Pump Controller IC Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Texas Instruments Incorporated

- 13.1.1 Texas Instruments Incorporated Company Information
- 13.1.2 Texas Instruments Incorporated Pump Controller IC Product Portfolios and Specifications
- 13.1.3 Texas Instruments Incorporated Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.1.4 Texas Instruments Incorporated Main Business Overview
- 13.1.5 Texas Instruments Incorporated Latest Developments
- 13.2 Infineon Technologies AG
 - 13.2.1 Infineon Technologies AG Company Information
 - 13.2.2 Infineon Technologies AG Pump Controller IC Product Portfolios and Specifications
 - 13.2.3 Infineon Technologies AG Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.2.4 Infineon Technologies AG Main Business Overview
 - 13.2.5 Infineon Technologies AG Latest Developments
- 13.3 STMicroelectronics N.V.
 - 13.3.1 STMicroelectronics N.V. Company Information
 - 13.3.2 STMicroelectronics N.V. Pump Controller IC Product Portfolios and Specifications
 - 13.3.3 STMicroelectronics N.V. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.3.4 STMicroelectronics N.V. Main Business Overview
 - 13.3.5 STMicroelectronics N.V. Latest Developments
- 13.4 NXP Semiconductors N.V.
 - 13.4.1 NXP Semiconductors N.V. Company Information
 - 13.4.2 NXP Semiconductors N.V. Pump Controller IC Product Portfolios and Specifications
 - 13.4.3 NXP Semiconductors N.V. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 NXP Semiconductors N.V. Main Business Overview
 - 13.4.5 NXP Semiconductors N.V. Latest Developments
- 13.5 Renesas Electronics Corporation
 - 13.5.1 Renesas Electronics Corporation Company Information
 - 13.5.2 Renesas Electronics Corporation Pump Controller IC Product Portfolios and Specifications
 - 13.5.3 Renesas Electronics Corporation Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 Renesas Electronics Corporation Main Business Overview
 - 13.5.5 Renesas Electronics Corporation Latest Developments

13.6 Microchip Technology Inc.

13.6.1 Microchip Technology Inc. Company Information

13.6.2 Microchip Technology Inc. Pump Controller IC Product Portfolios and Specifications

13.6.3 Microchip Technology Inc. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Microchip Technology Inc. Main Business Overview

13.6.5 Microchip Technology Inc. Latest Developments

13.7 Allegro MicroSystems, Inc.

13.7.1 Allegro MicroSystems, Inc. Company Information

13.7.2 Allegro MicroSystems, Inc. Pump Controller IC Product Portfolios and Specifications

13.7.3 Allegro MicroSystems, Inc. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Allegro MicroSystems, Inc. Main Business Overview

13.7.5 Allegro MicroSystems, Inc. Latest Developments

13.8 Melexis NV

13.8.1 Melexis NV Company Information

13.8.2 Melexis NV Pump Controller IC Product Portfolios and Specifications

13.8.3 Melexis NV Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Melexis NV Main Business Overview

13.8.5 Melexis NV Latest Developments

13.9 Elmos Semiconductor SE

13.9.1 Elmos Semiconductor SE Company Information

13.9.2 Elmos Semiconductor SE Pump Controller IC Product Portfolios and Specifications

13.9.3 Elmos Semiconductor SE Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Elmos Semiconductor SE Main Business Overview

13.9.5 Elmos Semiconductor SE Latest Developments

13.10 Toshiba Electronic Devices & Storage Corporation

13.10.1 Toshiba Electronic Devices & Storage Corporation Company Information

13.10.2 Toshiba Electronic Devices & Storage Corporation Pump Controller IC Product Portfolios and Specifications

13.10.3 Toshiba Electronic Devices & Storage Corporation Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Toshiba Electronic Devices & Storage Corporation Main Business Overview

13.10.5 Toshiba Electronic Devices & Storage Corporation Latest Developments

13.11 ROHM Co.Ltd.

13.11.1 ROHM Co.Ltd. Company Information

13.11.2 ROHM Co.Ltd. Pump Controller IC Product Portfolios and Specifications

13.11.3 ROHM Co.Ltd. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 ROHM Co.Ltd. Main Business Overview

13.11.5 ROHM Co.Ltd. Latest Developments

13.12 Monolithic Power Systems, Inc.

13.12.1 Monolithic Power Systems, Inc. Company Information

13.12.2 Monolithic Power Systems, Inc. Pump Controller IC Product Portfolios and Specifications

13.12.3 Monolithic Power Systems, Inc. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Monolithic Power Systems, Inc. Main Business Overview

13.12.5 Monolithic Power Systems, Inc. Latest Developments

13.13 onsemi

13.13.1 onsemi Company Information

13.13.2 onsemi Pump Controller IC Product Portfolios and Specifications

13.13.3 onsemi Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 onsemi Main Business Overview

13.13.5 onsemi Latest Developments

13.14 Diodes Incorporated

13.14.1 Diodes Incorporated Company Information

13.14.2 Diodes Incorporated Pump Controller IC Product Portfolios and Specifications

13.14.3 Diodes Incorporated Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.14.4 Diodes Incorporated Main Business Overview

13.14.5 Diodes Incorporated Latest Developments

13.15 Fortior Technology (Shenzhen) Co., Ltd.

13.15.1 Fortior Technology (Shenzhen) Co., Ltd. Company Information

13.15.2 Fortior Technology (Shenzhen) Co., Ltd. Pump Controller IC Product Portfolios and Specifications

13.15.3 Fortior Technology (Shenzhen) Co., Ltd. Pump Controller IC Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 Fortior Technology (Shenzhen) Co., Ltd. Main Business Overview

13.15.5 Fortior Technology (Shenzhen) Co., Ltd. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Pump Controller IC Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Pump Controller IC Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Sensorless BLDC / PMSM
- Table 4. Major Players of Hall-sensored BLDC
- Table 5. Major Players of FOC Control
- Table 6. Major Players of Six-step Commutation
- Table 7. Major Players of Piezoelectric Drive
- Table 8. Global Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026) & (K Units)
- Table 9. Global Pump Controller IC Sales Market Share by Motor and Pump Drive Method (2021-2026)
- Table 10. Global Pump Controller IC Revenue by Motor and Pump Drive Method (2021-2026) & (\$ million)
- Table 11. Global Pump Controller IC Revenue Market Share by Motor and Pump Drive Method (2021-2026)
- Table 12. Global Pump Controller IC Sale Price by Motor and Pump Drive Method (2021-2026) & (US\$/Unit)
- Table 13. Major Players of Low-voltage Low-power
- Table 14. Major Players of 12V
- Table 15. Major Players of 24V?48V Medium-power
- Table 16. Major Players of High-power External-FET Drive
- Table 17. Global Pump Controller IC Sales by Voltage and Power Class (2021-2026) & (K Units)
- Table 18. Global Pump Controller IC Sales Market Share by Voltage and Power Class (2021-2026)
- Table 19. Global Pump Controller IC Revenue by Voltage and Power Class (2021-2026) & (\$ million)
- Table 20. Global Pump Controller IC Revenue Market Share by Voltage and Power Class (2021-2026)
- Table 21. Global Pump Controller IC Sale Price by Voltage and Power Class (2021-2026) & (US\$/Unit)
- Table 22. Major Players of Automotive Grade
- Table 23. Major Players of Industrial Grade

Table 24. Major Players of Data-center Grade

Table 25. Major Players of Small Device Consumer Grade

Table 26. Major Players of Medical / Specialty Grade

Table 27. Global Pump Controller IC Sales by Qualification and Reliability Grade
(2021-2026) & (K Units)

Table 28. Global Pump Controller IC Sales Market Share by Qualification and Reliability
Grade (2021-2026)

Table 29. Global Pump Controller IC Revenue by Qualification and Reliability Grade
(2021-2026) & (\$ million)

Table 30. Global Pump Controller IC Revenue Market Share by Qualification and
Reliability Grade (2021-2026)

Table 31. Global Pump Controller IC Sale Price by Qualification and Reliability Grade
(2021-2026) & (US\$/Unit)

Table 32. Global Pump Controller IC Sale by Application (2021-2026) & (K Units)

Table 33. Global Pump Controller IC Sale Market Share by Application (2021-2026)

Table 34. Global Pump Controller IC Revenue by Application (2021-2026) & (\$ million)

Table 35. Global Pump Controller IC Revenue Market Share by Application (2021-2026)

Table 36. Global Pump Controller IC Sale Price by Application (2021-2026) &
(US\$/Unit)

Table 37. Global Pump Controller IC Sales by Company (2021-2026) & (K Units)

Table 38. Global Pump Controller IC Sales Market Share by Company (2021-2026)

Table 39. Global Pump Controller IC Revenue by Company (2021-2026) & (\$ millions)

Table 40. Global Pump Controller IC Revenue Market Share by Company (2021-2026)

Table 41. Global Pump Controller IC Sale Price by Company (2021-2026) & (US\$/Unit)

Table 42. Key Manufacturers Pump Controller IC Producing Area Distribution and Sales
Area

Table 43. Players Pump Controller IC Products Offered

Table 44. Pump Controller IC Concentration Ratio (CR3, CR5 and CR10) &
(2024-2026)

Table 45. New Products and Potential Entrants

Table 46. Market M&A Activity & Strategy

Table 47. Global Pump Controller IC Sales by Geographic Region (2021-2026) & (K
Units)

Table 48. Global Pump Controller IC Sales Market Share Geographic Region
(2021-2026)

Table 49. Global Pump Controller IC Revenue by Geographic Region (2021-2026) & (\$
millions)

Table 50. Global Pump Controller IC Revenue Market Share by Geographic Region
(2021-2026)

Table 51. Global Pump Controller IC Sales by Country/Region (2021-2026) & (K Units)

Table 52. Global Pump Controller IC Sales Market Share by Country/Region (2021-2026)

Table 53. Global Pump Controller IC Revenue by Country/Region (2021-2026) & (\$ millions)

Table 54. Global Pump Controller IC Revenue Market Share by Country/Region (2021-2026)

Table 55. Americas Pump Controller IC Sales by Country (2021-2026) & (K Units)

Table 56. Americas Pump Controller IC Sales Market Share by Country (2021-2026)

Table 57. Americas Pump Controller IC Revenue by Country (2021-2026) & (\$ millions)

Table 58. Americas Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026) & (K Units)

Table 59. Americas Pump Controller IC Sales by Application (2021-2026) & (K Units)

Table 60. APAC Pump Controller IC Sales by Region (2021-2026) & (K Units)

Table 61. APAC Pump Controller IC Sales Market Share by Region (2021-2026)

Table 62. APAC Pump Controller IC Revenue by Region (2021-2026) & (\$ millions)

Table 63. APAC Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026) & (K Units)

Table 64. APAC Pump Controller IC Sales by Application (2021-2026) & (K Units)

Table 65. Europe Pump Controller IC Sales by Country (2021-2026) & (K Units)

Table 66. Europe Pump Controller IC Revenue by Country (2021-2026) & (\$ millions)

Table 67. Europe Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026) & (K Units)

Table 68. Europe Pump Controller IC Sales by Application (2021-2026) & (K Units)

Table 69. Middle East & Africa Pump Controller IC Sales by Country (2021-2026) & (K Units)

Table 70. Middle East & Africa Pump Controller IC Revenue Market Share by Country (2021-2026)

Table 71. Middle East & Africa Pump Controller IC Sales by Motor and Pump Drive Method (2021-2026) & (K Units)

Table 72. Middle East & Africa Pump Controller IC Sales by Application (2021-2026) & (K Units)

Table 73. Key Market Drivers & Growth Opportunities of Pump Controller IC

Table 74. Key Market Challenges & Risks of Pump Controller IC

Table 75. Key Industry Trends of Pump Controller IC

Table 76. Pump Controller IC Raw Material

Table 77. Key Suppliers of Raw Materials

Table 78. Pump Controller IC Distributors List

Table 79. Pump Controller IC Customer List

Table 80. Global Pump Controller IC Sales Forecast by Region (2027-2032) & (K Units)

Table 81. Global Pump Controller IC Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 82. Americas Pump Controller IC Sales Forecast by Country (2027-2032) & (K Units)

Table 83. Americas Pump Controller IC Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 84. APAC Pump Controller IC Sales Forecast by Region (2027-2032) & (K Units)

Table 85. APAC Pump Controller IC Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 86. Europe Pump Controller IC Sales Forecast by Country (2027-2032) & (K Units)

Table 87. Europe Pump Controller IC Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 88. Middle East & Africa Pump Controller IC Sales Forecast by Country (2027-2032) & (K Units)

Table 89. Middle East & Africa Pump Controller IC Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 90. Global Pump Controller IC Sales Forecast by Motor and Pump Drive Method (2027-2032) & (K Units)

Table 91. Global Pump Controller IC Revenue Forecast by Motor and Pump Drive Method (2027-2032) & (\$ millions)

Table 92. Global Pump Controller IC Sales Forecast by Application (2027-2032) & (K Units)

Table 93. Global Pump Controller IC Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 94. Texas Instruments Incorporated Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 95. Texas Instruments Incorporated Pump Controller IC Product Portfolios and Specifications

Table 96. Texas Instruments Incorporated Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 97. Texas Instruments Incorporated Main Business

Table 98. Texas Instruments Incorporated Latest Developments

Table 99. Infineon Technologies AG Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 100. Infineon Technologies AG Pump Controller IC Product Portfolios and Specifications

Table 101. Infineon Technologies AG Pump Controller IC Sales (K Units), Revenue (\$

Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 102. Infineon Technologies AG Main Business

Table 103. Infineon Technologies AG Latest Developments

Table 104. STMicroelectronics N.V. Basic Information, Pump Controller IC

Manufacturing Base, Sales Area and Its Competitors

Table 105. STMicroelectronics N.V. Pump Controller IC Product Portfolios and Specifications

Table 106. STMicroelectronics N.V. Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 107. STMicroelectronics N.V. Main Business

Table 108. STMicroelectronics N.V. Latest Developments

Table 109. NXP Semiconductors N.V. Basic Information, Pump Controller IC

Manufacturing Base, Sales Area and Its Competitors

Table 110. NXP Semiconductors N.V. Pump Controller IC Product Portfolios and Specifications

Table 111. NXP Semiconductors N.V. Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 112. NXP Semiconductors N.V. Main Business

Table 113. NXP Semiconductors N.V. Latest Developments

Table 114. Renesas Electronics Corporation Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 115. Renesas Electronics Corporation Pump Controller IC Product Portfolios and Specifications

Table 116. Renesas Electronics Corporation Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 117. Renesas Electronics Corporation Main Business

Table 118. Renesas Electronics Corporation Latest Developments

Table 119. Microchip Technology Inc. Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 120. Microchip Technology Inc. Pump Controller IC Product Portfolios and Specifications

Table 121. Microchip Technology Inc. Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 122. Microchip Technology Inc. Main Business

Table 123. Microchip Technology Inc. Latest Developments

Table 124. Allegro MicroSystems, Inc. Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 125. Allegro MicroSystems, Inc. Pump Controller IC Product Portfolios and Specifications

Table 126. Allegro MicroSystems, Inc. Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 127. Allegro MicroSystems, Inc. Main Business
Table 128. Allegro MicroSystems, Inc. Latest Developments
Table 129. Melexis NV Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors
Table 130. Melexis NV Pump Controller IC Product Portfolios and Specifications
Table 131. Melexis NV Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 132. Melexis NV Main Business
Table 133. Melexis NV Latest Developments
Table 134. Elmos Semiconductor SE Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors
Table 135. Elmos Semiconductor SE Pump Controller IC Product Portfolios and Specifications
Table 136. Elmos Semiconductor SE Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 137. Elmos Semiconductor SE Main Business
Table 138. Elmos Semiconductor SE Latest Developments
Table 139. Toshiba Electronic Devices & Storage Corporation Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors
Table 140. Toshiba Electronic Devices & Storage Corporation Pump Controller IC Product Portfolios and Specifications
Table 141. Toshiba Electronic Devices & Storage Corporation Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 142. Toshiba Electronic Devices & Storage Corporation Main Business
Table 143. Toshiba Electronic Devices & Storage Corporation Latest Developments
Table 144. ROHM Co.Ltd. Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors
Table 145. ROHM Co.Ltd. Pump Controller IC Product Portfolios and Specifications
Table 146. ROHM Co.Ltd. Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 147. ROHM Co.Ltd. Main Business
Table 148. ROHM Co.Ltd. Latest Developments
Table 149. Monolithic Power Systems, Inc. Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors
Table 150. Monolithic Power Systems, Inc. Pump Controller IC Product Portfolios and Specifications
Table 151. Monolithic Power Systems, Inc. Pump Controller IC Sales (K Units),

Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 152. Monolithic Power Systems, Inc. Main Business

Table 153. Monolithic Power Systems, Inc. Latest Developments

Table 154. onsemi Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 155. onsemi Pump Controller IC Product Portfolios and Specifications

Table 156. onsemi Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 157. onsemi Main Business

Table 158. onsemi Latest Developments

Table 159. Diodes Incorporated Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 160. Diodes Incorporated Pump Controller IC Product Portfolios and Specifications

Table 161. Diodes Incorporated Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 162. Diodes Incorporated Main Business

Table 163. Diodes Incorporated Latest Developments

Table 164. Fortior Technology (Shenzhen) Co., Ltd. Basic Information, Pump Controller IC Manufacturing Base, Sales Area and Its Competitors

Table 165. Fortior Technology (Shenzhen) Co., Ltd. Pump Controller IC Product Portfolios and Specifications

Table 166. Fortior Technology (Shenzhen) Co., Ltd. Pump Controller IC Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 167. Fortior Technology (Shenzhen) Co., Ltd. Main Business

Table 168. Fortior Technology (Shenzhen) Co., Ltd. Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Pump Controller IC
- Figure 2. Pump Controller IC Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Pump Controller IC Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Pump Controller IC Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Pump Controller IC Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Pump Controller IC Sales Market Share by Country/Region (2025)
- Figure 10. Pump Controller IC Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Sensorless BLDC / PMSM
- Figure 12. Product Picture of Hall-sensored BLDC
- Figure 13. Product Picture of FOC Control
- Figure 14. Product Picture of Six-step Commutation
- Figure 15. Product Picture of Piezoelectric Drive
- Figure 16. Global Pump Controller IC Sales Market Share by Motor and Pump Drive Method in 2026
- Figure 17. Global Pump Controller IC Revenue Market Share by Motor and Pump Drive Method (2021-2026)
- Figure 18. Product Picture of Low-voltage Low-power
- Figure 19. Product Picture of 12V
- Figure 20. Product Picture of 24V?48V Medium-power
- Figure 21. Product Picture of High-power External-FET Drive
- Figure 22. Global Pump Controller IC Sales Market Share by Voltage and Power Class in 2026
- Figure 23. Global Pump Controller IC Revenue Market Share by Voltage and Power Class (2021-2026)
- Figure 24. Product Picture of Automotive Grade
- Figure 25. Product Picture of Industrial Grade
- Figure 26. Product Picture of Data-center Grade
- Figure 27. Product Picture of Small Device Consumer Grade
- Figure 28. Product Picture of Medical / Specialty Grade
- Figure 29. Global Pump Controller IC Sales Market Share by Qualification and

Reliability Grade in 2026

Figure 30. Global Pump Controller IC Revenue Market Share by Qualification and Reliability Grade (2021-2026)

Figure 31. Pump Controller IC Consumed in Data Center Liquid Cooling Pumps

Figure 32. Global Pump Controller IC Market: Data Center Liquid Cooling Pumps (2021-2026) & (K Units)

Figure 33. Pump Controller IC Consumed in Server Internal Cooling Pumps

Figure 34. Global Pump Controller IC Market: Server Internal Cooling Pumps (2021-2026) & (K Units)

Figure 35. Pump Controller IC Consumed in Automotive Electric Water Pumps

Figure 36. Global Pump Controller IC Market: Automotive Electric Water Pumps (2021-2026) & (K Units)

Figure 37. Pump Controller IC Consumed in Consumer Micro Liquid-cooling Pumps

Figure 38. Global Pump Controller IC Market: Consumer Micro Liquid-cooling Pumps (2021-2026) & (K Units)

Figure 39. Global Pump Controller IC Sale Market Share by Application (2025)

Figure 40. Global Pump Controller IC Revenue Market Share by Application in 2025

Figure 41. Pump Controller IC Sales by Company in 2025 (K Units)

Figure 42. Global Pump Controller IC Sales Market Share by Company in 2025

Figure 43. Pump Controller IC Revenue by Company in 2025 (\$ millions)

Figure 44. Global Pump Controller IC Revenue Market Share by Company in 2025

Figure 45. Global Pump Controller IC Sales Market Share by Geographic Region (2021-2026)

Figure 46. Global Pump Controller IC Revenue Market Share by Geographic Region in 2025

Figure 47. Americas Pump Controller IC Sales 2021-2026 (K Units)

Figure 48. Americas Pump Controller IC Revenue 2021-2026 (\$ millions)

Figure 49. APAC Pump Controller IC Sales 2021-2026 (K Units)

Figure 50. APAC Pump Controller IC Revenue 2021-2026 (\$ millions)

Figure 51. Europe Pump Controller IC Sales 2021-2026 (K Units)

Figure 52. Europe Pump Controller IC Revenue 2021-2026 (\$ millions)

Figure 53. Middle East & Africa Pump Controller IC Sales 2021-2026 (K Units)

Figure 54. Middle East & Africa Pump Controller IC Revenue 2021-2026 (\$ millions)

Figure 55. Americas Pump Controller IC Sales Market Share by Country in 2025

Figure 56. Americas Pump Controller IC Revenue Market Share by Country (2021-2026)

Figure 57. Americas Pump Controller IC Sales Market Share by Motor and Pump Drive Method (2021-2026)

Figure 58. Americas Pump Controller IC Sales Market Share by Application

(2021-2026)

Figure 59. United States Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 60. Canada Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 61. Mexico Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 62. Brazil Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 63. APAC Pump Controller IC Sales Market Share by Region in 2025

Figure 64. APAC Pump Controller IC Revenue Market Share by Region (2021-2026)

Figure 65. APAC Pump Controller IC Sales Market Share by Motor and Pump Drive Method (2021-2026)

Figure 66. APAC Pump Controller IC Sales Market Share by Application (2021-2026)

Figure 67. China Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 68. Japan Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 69. South Korea Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 70. Southeast Asia Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 71. India Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 72. Australia Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 73. China Taiwan Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 74. Europe Pump Controller IC Sales Market Share by Country in 2025

Figure 75. Europe Pump Controller IC Revenue Market Share by Country (2021-2026)

Figure 76. Europe Pump Controller IC Sales Market Share by Motor and Pump Drive Method (2021-2026)

Figure 77. Europe Pump Controller IC Sales Market Share by Application (2021-2026)

Figure 78. Germany Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 79. France Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 80. UK Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 81. Italy Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 82. Russia Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 83. Middle East & Africa Pump Controller IC Sales Market Share by Country (2021-2026)

Figure 84. Middle East & Africa Pump Controller IC Sales Market Share by Motor and Pump Drive Method (2021-2026)

Figure 85. Middle East & Africa Pump Controller IC Sales Market Share by Application (2021-2026)

Figure 86. Egypt Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 87. South Africa Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 88. Israel Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 89. Turkey Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 90. GCC Countries Pump Controller IC Revenue Growth 2021-2026 (\$ millions)

Figure 91. Manufacturing Cost Structure Analysis of Pump Controller IC in 2026

Figure 92. Manufacturing Process Analysis of Pump Controller IC

Figure 93. Industry Chain Structure of Pump Controller IC

Figure 94. Channels of Distribution

Figure 95. Global Pump Controller IC Sales Market Forecast by Region (2027-2032)

Figure 96. Global Pump Controller IC Revenue Market Share Forecast by Region (2027-2032)

Figure 97. Global Pump Controller IC Sales Market Share Forecast by Motor and Pump Drive Method (2027-2032)

Figure 98. Global Pump Controller IC Revenue Market Share Forecast by Motor and Pump Drive Method (2027-2032)

Figure 99. Global Pump Controller IC Sales Market Share Forecast by Application (2027-2032)

Figure 100. Global Pump Controller IC Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Pump Controller IC Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G950EFF32983EN.html>

Price: US\$ 3,660.00 (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/G950EFF32983EN.html>