

Global Server Power Management ICs Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Server Power Management ICs market size was valued at US\$ 3133 million in 2025 and is forecast to a readjusted size of US\$ 8462 million by 2032 with a CAGR of 15.4% during review period.

Server Power Management ICs are specialized integrated circuits used for power conversion, voltage regulation, power distribution, monitoring, sequencing, and protection within server systems. They primarily support central processing units, graphics processing units, artificial intelligence accelerators, memory, storage devices, network interfaces, and other critical loads. Typical products include multiphase controllers, integrated power stages, direct current converters, point of load regulators, intermediate bus controllers, hot swap controllers, electronic fuses, power monitoring ICs, and power sequencing ICs. These devices are designed to meet server requirements for high efficiency, high power density, fast transient response, precise voltage regulation, digital communication, and long term operational reliability. Server Power Management ICs typically cost a few dollars each, with gross margins usually between 50% and 60%.

The upstream supply chain of Server Power Management ICs mainly includes wafer manufacturing, analog and mixed signal process technologies, power semiconductor processes, packaging substrates, lead frames, semiconductor materials, electronic design automation software, chip design tools, and semiconductor equipment suppliers. The midstream segment consists of power management IC design companies, integrated device manufacturers, wafer foundries, packaging and testing providers, and power module manufacturers, covering chip design, wafer fabrication, packaging and

testing, firmware development, and power module integration. Downstream customers include server manufacturers, motherboard suppliers, cloud service providers, data center operators, artificial intelligence computing platform companies, and power system suppliers. End applications include general purpose servers, artificial intelligence servers, high performance computing servers, storage servers, edge servers, and other data center computing equipment.

The Server Power Management ICs market is being continuously driven by the expansion of cloud computing, artificial intelligence, high performance computing, and data center infrastructure upgrades. As the power consumption of server processors, accelerators, memory devices, and high speed interconnect components continues to increase, server power architectures are evolving toward higher power density, improved conversion efficiency, faster transient response, and more sophisticated digital power management. Functions such as multiphase power delivery, point of load conversion, intelligent hot swap control, power telemetry, and fault protection are becoming increasingly important, accelerating the transition of power management ICs from standalone voltage regulation devices to highly integrated, programmable, and system level power solutions. Future competition will primarily focus on high current delivery capability, energy efficiency, control accuracy, system reliability, thermal and packaging design, and the ability to support joint development with server platform providers.

This report is a detailed and comprehensive analysis for global Server Power Management ICs 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 Server Power Management ICs market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

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

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

Global Server Power Management ICs market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Server Power Management ICs

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 Server Power Management ICs 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 MPS, Infineon Technologies, Texas Instruments, Renesas Electronics, Analog Devices, onsemi, STMicroelectronics, Alpha and Omega Semiconductor, Microchip Technology, MaxLinear, etc.

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

Market Segmentation

Server Power Management ICs 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

Multiphase Controllers

Integrated Power Stages

Others

Market segment by Power Conversion Stage

Input and Front-End Power Management ICs

Intermediate Bus Power ICs

Point-of-Load Power ICs

Auxiliary Power Management ICs

Market segment by Powered Load

Processor and Accelerator Power ICs

Memory and Storage Power ICs

Networking and Interface Power ICs

System and Auxiliary Power ICs

Others

Market segment by Application

AI and HPC Servers

General-Purpose Compute Servers

Others

Major players covered

MPS

Infineon Technologies

Texas Instruments

Renesas Electronics

Analog Devices

onsemi

STMicroelectronics

Alpha and Omega Semiconductor

Microchip Technology

MaxLinear

ROHM Semiconductor

Vishay Intertechnology

Richtek Technology

uPI Semi

Silergy

JOULWATT

Shanghai Jingfeng Mingyuan

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 Server Power Management ICs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Server Power Management ICs, with price, sales quantity, revenue, and global market share of Server Power Management ICs from 2021 to 2026.

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

Chapter 4, the Server Power Management ICs 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 Server Power Management ICs 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 Server Power Management ICs.

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

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