

Global Power Management ICs for Servers 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 Power Management ICs for Servers 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.

Power Management ICs for Servers are integrated circuits specifically designed for power conversion, voltage regulation, power distribution, monitoring, sequencing, and protection within server systems. They convert electrical power supplied by the server power architecture into stable voltage and current required by processors, graphics processing units, artificial intelligence accelerators, memory, storage devices, networking chips, and other critical loads. Typical products include multiphase controllers, smart power stages, direct current converters, point of load regulators, hot swap controllers, electronic fuses, power monitoring ICs, and power sequencing ICs. These devices are required to deliver high conversion efficiency, high power density, fast load response, precise control, and reliable long term operation. Power Management ICs for Servers typically cost a few dollars each, with gross margins usually between 50% and 60%.

The upstream supply chain for Power Management ICs for Servers mainly includes wafer fabrication, analog and mixed signal design tools, semiconductor materials, packaging and testing services, power semiconductor devices, and supporting electronic components such as inductors, capacitors, and connectors. The midstream segment consists of power management IC design companies, integrated device manufacturers, and power solution providers responsible for chip architecture design, wafer production coordination, packaging and testing, firmware development, and

reference power solution design. Downstream participants mainly include server manufacturers, motherboard producers, power module suppliers, data center equipment vendors, and operators of cloud computing and high performance computing systems. Changes in end market demand are transmitted to chip suppliers through server platform upgrades, power architecture adjustments, and customer qualification cycles, making long term collaborative development with processor vendors, server platform developers, and power module companies an important feature of the industry.

Power Management ICs for Servers are critical semiconductor devices that support power efficiency, operational stability, and system reliability across server hardware platforms. The continued development of cloud computing, artificial intelligence, high performance computing, and enterprise digitalization is driving higher power consumption in processors, accelerators, memory, and high speed interconnect devices, creating stronger demand for efficient power conversion, fast transient response, precise voltage regulation, and intelligent monitoring. Market competition is gradually shifting from individual device performance toward multiphase power delivery, integrated power stages, digital control, system level protection, and platform level coordination. Suppliers with advanced power architecture capabilities, established server customer qualifications, and reliable supply capacity are expected to maintain stronger competitive positions.

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

Global Power Management ICs for Servers 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 Power Management ICs for Servers 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 Power Management ICs for Servers 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 Power Management ICs for Servers

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 Power Management ICs for Servers 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

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

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

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

Chapter 4, the Power Management ICs for Servers 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 Power Management ICs for Servers 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 Power Management ICs for Servers.

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

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