

Microserver Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Microserver Market, valued at USD 8.5 billion in 2024, is set to experience robust growth at a CAGR of 9.6% from 2025 to 2034. This surge in demand for microservers is largely driven by the rapid expansion of cloud computing and data center solutions, which continue to reshape the enterprise IT landscape. In addition, advancements in processor and storage technologies have significantly boosted the capabilities of microserver systems, making them more appealing to a wide range of industries.

A major trend shaping the future of the microserver market is the rise of edge computing. By processing data closer to its source, edge computing offers significant advantages, such as reduced latency, real-time data processing, and lower bandwidth costs. This technology is particularly beneficial for sectors reliant on the Internet of Things (IoT), autonomous systems, and industrial automation. Microservers, with their compact design and energy efficiency, are perfectly suited to meet the needs of edge computing applications, positioning them as a crucial component in these industries.

The microserver market is divided into several key applications, including cloud computing, data centers, media storage, data analytics, and other uses. The data center segment is the largest, accounting for 40% of the market share in 2024. The demand for energy-efficient, space-saving solutions in modern data centers is a primary factor driving this segment's dominance. Microservers are ideal for large-scale data storage, processing, and management while maintaining low energy consumption. As the demand for cloud services grows, and with the increasing need for high-density servers—particularly for big data and IoT applications—the data center segment remains a central driver of market expansion.

On the end-user side, the microserver market is categorized into Small and Medium Enterprises (SME) and Large Enterprises. Large enterprises dominate this segment, holding a 66.9% share in 2024. The need for scalable and high-performance computing in areas such as data centers, cloud computing, and artificial intelligence (AI) is fueling this demand. Large enterprises are particularly drawn to microservers for their ability to handle data-intensive tasks efficiently while offering energy savings and optimizing space. As cloud adoption and edge computing continue to grow, the demand from large enterprises will further drive the expansion of the microserver market.

The U.S. microserver market is expected to reach USD 6 billion by 2034. The region's advanced technology infrastructure, combined with an increasing demand for cloud services, data centers, and edge computing, is driving this impressive growth. North America is home to major tech companies at the forefront of innovations in processing power, energy efficiency, and scalability. Continued investments in fields such as AI, data analytics, and cloud computing will further accelerate the adoption of microservers, solidifying North America's position as a key growth driver in the global market.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
 - 1.1.1 Research approach
 - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
 - 1.2.1 Base year calculation
 - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market definitions

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
 - 3.2.1 Manufacturers
 - 3.2.2 Component suppliers
 - 3.2.3 Cloud service providers
 - 3.2.4 Technology solution providers
 - 3.2.5 End users
- 3.3 Profit margin analysis
- 3.4 Use cases of Microservers
- 3.5 Patent analysis
- 3.6 Technology & innovation landscape
- 3.7 Key news & initiatives
- 3.8 Regulatory landscape
- 3.9 Impact forces
 - 3.9.1 Growth drivers
 - 3.9.1.1 Increasing demand for cost-effective solutions
 - 3.9.1.2 Rising adoption of cloud and data center solutions

- 3.9.1.3 Growing edge computing applications
- 3.9.1.4 Technological advancements in processors and storage
- 3.9.2 Industry pitfalls & challenges
 - 3.9.2.1 Limited processing power for complex tasks
 - 3.9.2.2 Integration difficulties with legacy systems
- 3.10 Growth potential analysis
- 3.11 Porter's analysis
- 3.12 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2034 (\$BN, UNITS)

- 5.1 Key trends
- 5.2 Data center
- 5.3 Cloud computing
- 5.4 Media storage
- 5.5 Data analytics
- 5.6 Others

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY PROCESSOR, 2021 - 2034 (\$BN, UNITS)

- 6.1 Key trends
- 6.2 AMD
- 6.3 Intel
- 6.4 ARM
- 6.5 Others

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY END USE, 2021 - 2034 (\$BN, UNITS)

- 7.1 Key trends

7.2 SME

7.3 Large enterprises

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY VERTICAL, 2021 - 2034 (\$BN, UNITS)

8.1 Key trends

8.2 BFSI

8.3 Healthcare

8.4 Retail

8.5 IT and telecom

8.6 Others

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2034 (\$BN, UNITS)

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.3 Europe

9.3.1 UK

9.3.2 Germany

9.3.3 France

9.3.4 Spain

9.3.5 Italy

9.3.6 Russia

9.3.7 Nordics

9.4 Asia Pacific

9.4.1 China

9.4.2 India

9.4.3 Japan

9.4.4 South Korea

9.4.5 ANZ

9.4.6 Southeast Asia

9.5 Latin America

9.5.1 Brazil

9.5.2 Mexico

9.5.3 Argentina

9.6 MEA

9.6.1 UAE

9.6.2 South Africa

9.6.3 Saudi Arabia

CHAPTER 10 COMPANY PROFILES

10.1 Acer

10.2 AMD

10.3 ARM

10.4 Dell Technologies

10.5 Fujitsu

10.6 HPE

10.7 Huawei

10.8 IBM

10.9 Intel

10.10 MiTAC

10.11 Penguin Computing

10.12 QCT

10.13 Quanta Computer

10.14 Supermicro

10.15 Tyan

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