

# **System Infrastructure Software Market Report by Type (Storage, Network and System Management, Security), Application (Building Management, Integrated Communications, Data Center Infrastructure, Cloud Integrations), End Use (Manufacturing, IT and Telecom, BFSI, Transportation and Logistics, Retail, Healthcare, and Others), and Region 2024-2032**

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## **Abstracts**

The global AMC CPU cards market size reached US\$ 617.5 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,100.7 Million by 2032, exhibiting a growth rate (CAGR) of 6.43% during 2024-2032. The increasing demand for high-performance computing, the widespread integration of various advanced technologies, such as AI, IoT, and ML, significant growth in the telecommunications industry, and enhanced focus on research and development (R&D) activities represent some of the key factors driving the market.

Advanced mezzanine card (AMC) central processing unit (CPU) cards are high-performance computing modules that are computer expansion cards used in telecommunications and other industries. AdvancedTCA and MicroTCA are some of the commonly used AMC CPU cards. They provide high-speed processing power and can be easily integrated into existing systems. AMC CPU cards are widely used in network processing and packet filtering, storage and data management, high-performance computing, image and video processing, and digital signal processing. They are cost-effective, scalable, interoperable, highly reliable, and resilient, ensuring that applications run smoothly and without interruption. As a result, AMC CPU cards are extensively used in communications and network infrastructure, healthcare, industrial automation and control, military and aerospace, and transportation (including infotainment

infrastructure).

#### AMC CPU Cards Market Trends:

The increasing demand for high-performance computing is one of the key factors creating a positive outlook for the market. AMC CPU cards are widely used to deliver enhanced processing capabilities due to the increasing data-intensive workloads and advanced algorithms. In line with this, the widespread product adoption due to the changing trend towards modular and scalable computing architectures is favoring the market growth. Moreover, the increasing need for AMC CPU cards in the telecommunications industry to offer high-performance computing, packet processing, and network functions virtualization (NFV) is propelling the market growth. Apart from this, the rising adoption of cloud computing is driving the demand for more powerful computing solutions that can support cloud-based applications and services, which in turn is positively influencing the market growth. Furthermore, the increasing demand for robust computing solutions due to the integration of various new technologies, such as artificial intelligence (AI), machine learning (ML), and the Internet of Things (IoT), is providing a thrust to the market growth. Besides this, the widespread product adoption in embedded systems, which are extensively used in a variety of applications, including industrial automation, medical devices, and automotive systems, is acting as another growth-inducing factor. Other factors, including increasing adoption of AdvancedTCA, enhanced focus on research and development (R&D) activities, and the launch of miniaturized AMC CPU cards, are supporting the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global AMC CPU cards market, along with forecasts at the global, regional and country levels from 2024-2032. Our report has categorized the market based on product type and application.

#### Product Type Insights:

AdvancedTCA

MicroTCA

The report has provided a detailed breakup and analysis of the AMC CPU cards market based on the product type. This includes advancedTCA and microTCA. According to the report, advancedTCA represented the largest segment.

#### Application Insights:

Communications and Network Infrastructure  
Healthcare  
Industrial Automation and Control  
Military and Aerospace  
Transportation (Including Infotainment Infrastructure)

A detailed breakup and analysis of the AMC CPU cards market based on the application has also been provided in the report. This includes communications and network infrastructure, healthcare, industrial automation and control, military and aerospace, and transportation (including infotainment infrastructure). According to the report, communications and network infrastructure accounted for the largest market share.

#### Regional Insights:

North America  
United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others

## Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for AMC CPU cards. Some of the factors driving the North America AMC CPU cards market included significant growth in the telecommunications industry, widespread adoption of Advanced CA, and rapid technological advancements.

### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global AMC CPU cards market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Adax Inc., Extreme Engineering Solutions Inc, Kontron, Mercury Systems Inc., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

### Key Questions Answered in This Report:

How has the global AMC CPU cards market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global AMC CPU cards market?

What is the impact of each driver, restraint, and opportunity on the global AMC CPU cards market?

What are the key regional markets?

Which countries represent the most attractive AMC CPU cards market?

What is the breakup of the market based on the product type?

Which is the most attractive product type in the AMC CPU cards market?

What is the breakup of the market based on the application?

Which is the most attractive application in the AMC CPU cards market?

What is the competitive structure of the global AMC CPU cards market?

Who are the key players/companies in the global AMC CPU cards market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL SYSTEM INFRASTRUCTURE SOFTWARE MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY TYPE**

- 6.1 Storage
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Network and System Management
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Security

6.3.1 Market Trends

6.3.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

7.1 Building Management

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Integrated Communications

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Data Center Infrastructure

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Cloud Integrations

7.4.1 Market Trends

7.4.2 Market Forecast

## **8 MARKET BREAKUP BY END USE**

8.1 Manufacturing

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 IT and Telecom

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 BFSI

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Transportation and Logistics

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Retail

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Healthcare

8.6.1 Market Trends

8.6.2 Market Forecast

8.7 Others

8.7.1 Market Trends

8.7.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

### **9.1 North America**

#### **9.1.1 United States**

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

#### **9.1.2 Canada**

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

### **9.2 Asia-Pacific**

#### **9.2.1 China**

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

#### **9.2.2 Japan**

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

#### **9.2.3 India**

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

#### **9.2.4 South Korea**

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

#### **9.2.5 Australia**

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

#### **9.2.6 Indonesia**

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

#### **9.2.7 Others**

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

### **9.3 Europe**

#### **9.3.1 Germany**

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

#### **9.3.2 France**

- 9.3.2.1 Market Trends
- 9.3.2.2 Market Forecast
- 9.3.3 United Kingdom
  - 9.3.3.1 Market Trends
  - 9.3.3.2 Market Forecast
- 9.3.4 Italy
  - 9.3.4.1 Market Trends
  - 9.3.4.2 Market Forecast
- 9.3.5 Spain
  - 9.3.5.1 Market Trends
  - 9.3.5.2 Market Forecast
- 9.3.6 Russia
  - 9.3.6.1 Market Trends
  - 9.3.6.2 Market Forecast
- 9.3.7 Others
  - 9.3.7.1 Market Trends
  - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast

## **10 DRIVERS, RESTRAINTS, AND OPPORTUNITIES**

- 10.1 Overview
- 10.2 Drivers
- 10.3 Restraints
- 10.4 Opportunities



## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
  - 14.3.1 Amazon Web Services Inc. (Amazon.com Inc.)
    - 14.3.1.1 Company Overview
    - 14.3.1.2 Product Portfolio
    - 14.3.1.3 SWOT Analysis
  - 14.3.2 Apple Inc
    - 14.3.2.1 Company Overview
    - 14.3.2.2 Product Portfolio
    - 14.3.2.3 Financials
    - 14.3.2.4 SWOT Analysis
  - 14.3.3 BMC Software Inc
    - 14.3.3.1 Company Overview
    - 14.3.3.2 Product Portfolio
    - 14.3.3.3 SWOT Analysis
  - 14.3.4 Broadcom Inc.
    - 14.3.4.1 Company Overview
    - 14.3.4.2 Product Portfolio
    - 14.3.4.3 Financials
    - 14.3.4.4 SWOT Analysis
  - 14.3.5 Cisco Systems, Inc.
    - 14.3.5.1 Company Overview
    - 14.3.5.2 Product Portfolio

- 14.3.5.3 Financials
- 14.3.5.4 SWOT Analysis
- 14.3.6 Dell Inc.
  - 14.3.6.1 Company Overview
  - 14.3.6.2 Product Portfolio
  - 14.3.6.3 Financials
  - 14.3.6.4 SWOT Analysis
- 14.3.7 Hewlett Packard Enterprise Development LP
  - 14.3.7.1 Company Overview
  - 14.3.7.2 Product Portfolio
  - 14.3.7.3 Financials
  - 14.3.7.4 SWOT Analysis
- 14.3.8 International Business Machines Corporation
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
  - 14.3.8.3 Financials
  - 14.3.8.4 SWOT Analysis
- 14.3.9 Microsoft Corporation
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 Financials
  - 14.3.9.4 SWOT Analysis
- 14.3.10 Oracle Corporation
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
  - 14.3.10.4 SWOT Analysis

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