

AI Data Centers Market - 2024-2032

<https://marketpublishers.com/r/A66A3DDFB36BEN.html>

Date: October 2025

Pages: 217

Price: US\$ 2,999.00 (Single User License)

ID: A66A3DDFB36BEN

Abstracts

The AI Data Centers Market was valued at US\$ 13.67 billion in 2024 and is anticipated to reach US\$ 78.91 billion by 2032, at a CAGR of 0.245 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the AI Data Centers Market.

This report delivers a comprehensive overview of the AI Data Centers Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding AI Data Centers Market. The AI Data Centers Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

AI Data Centers Market Scope:

By Component

Hardware

Software

Services

By Deployment Mode

On-Premises

Cloud-Based

Hybrid

By Data Center Type

Hyperscale Data Centers

Colocation Data Center

Edge Data Center

Others

By End-User

Healthcare

Retail

IT and Telecom

BFSI

Automotive

Media & Entertainment

Manufacturing

Others

Key Players

Schneider Electric

Amazon.com, Inc

Microsoft

IBM corp

NVIDIA Corporation

Cisco Systems, Inc

Cadence Design Systems, Inc.

Advanced Micro Devices, Inc.

CyrusOne

Juniper Networks, Inc.

Major Highlights

This report delivers a comprehensive overview of the AI Data Centers Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding AI Data Centers Market. The AI Data Centers Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

Partner Identification

Increase Your Customer Base by 3X using our Partner Identification tool

Uncover strategic collaboration opportunities with DataM vetted partners aligned to your ecosystem.

Identify high potential M&A targets based on synergies, market positioning and growth trajectory.

Prioritize partners by strategic fit rather than general capability.

Why Choose DataM?

Data-Driven Insights: Dive into detailed analyses with granular insights such as pricing, market shares and value chain evaluations, enriched by interviews with industry leaders and disruptors.

Post-Purchase Support and Expert Analyst Consultations: As a valued client, gain direct access to our expert analysts for personalized advice and strategic guidance, tailored to your specific needs and challenges.

White Papers and Case Studies: Benefit quarterly from our in-depth studies related to your purchased titles, tailored to refine your operational and marketing strategies for maximum impact.

Annual Updates on Purchased Reports: As an existing customer, enjoy the privilege of annual updates to your reports, ensuring you stay abreast of the latest market insights and technological advancements. Terms and conditions apply.

Specialized Focus on Emerging Markets: DataM differentiates itself by delivering in-depth, specialized insights specifically for emerging markets, rather than offering generalized geographic overviews. This approach equips our clients with a nuanced understanding and actionable intelligence that are essential for navigating and succeeding in high-growth regions.

Value of DataM Reports: Our reports offer specialized insights tailored to the latest trends and specific business inquiries. This personalized approach provides a deeper, strategic perspective, ensuring you receive the precise information necessary to make informed decisions. These insights complement and go beyond what is typically available in generic databases.

Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

Contents

1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Objective and Scope of the Report

2. DEFINITION AND OVERVIEW

3. EXECUTIVE SUMMARY

- 3.1. Snippet by Component
- 3.2. Snippet by Deployment Mode
- 3.3. Snippet by Data Center Type
- 3.4. Snippet by End-User
- 3.5. Snippet by Region

4. DYNAMICS

- 4.1. Impacting Factors
 - 4.1.1. Drivers
 - 4.1.1.1. Exponential Growth of Data and AI Applications
 - 4.1.1.2. Government Initiatives and Investments in AI Infrastructure
 - 4.1.2. Restraints
 - 4.1.2.1. High Energy Consumption and Environmental Concerns
 - 4.1.3. Opportunity
 - 4.1.4. Impact Analysis

5. INDUSTRY ANALYSIS

- 5.1. Porter's Five Force Analysis
- 5.2. Supply Chain Analysis
- 5.3. Pricing Analysis
- 5.4. Regulatory Analysis
- 5.5. Sustainable Analysis
- 5.6. DMI Opinion

6. BY COMPONENT

6.1. Introduction

6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

6.1.2. Market Attractiveness Index, By Component

6.2. Hardware*

6.2.1. Introduction

6.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

6.2.3. Processors

6.2.4. Networking Equipment

6.2.5. Storage

6.2.6. Others

6.3. Software

6.3.1. AI/ML Frameworks

6.3.2. Data Management and Orchestration Tools

6.3.3. Security Tools

6.3.4. Others

6.4. Services

6.4.1. Installation and Integration.

6.4.2. Managed Services

6.4.3. Consulting Services

7. BY DEPLOYMENT MODE

7.1. Introduction

7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment Mode

7.1.2. Market Attractiveness Index, By Deployment Mode

7.2. On-Premises*

7.2.1. Introduction

7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

7.3. Cloud-Based

7.4. Hybrid

8. BY DATA CENTER TYPE

8.1. Introduction

8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Data Center Type

8.1.2. Market Attractiveness Index, By Data Center Type

8.2. Hyperscale Data Centers*

8.2.1. Introduction

8.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

8.3. Colocation Data Center

8.4. Edge Data Center

8.5. Others

9. BY END-USER

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

9.1.2. Market Attractiveness Index, By End-User

9.2. Healthcare*

9.2.1. Introduction

9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

9.3. Retail

9.4. IT and Telecom

9.5. BFSI

9.6. Automotive

9.7. Media & Entertainment

9.8. Manufacturing

9.9. Others

10. SUSTAINABILITY ANALYSIS

10.1. Environmental Analysis

10.2. Economic Analysis

10.3. Governance Analysis

11. BY REGION

11.1. Introduction

11.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region

11.1.2. Market Attractiveness Index, By Region

11.2. North America

11.2.1. Introduction

11.2.2. Key Region-Specific Dynamics

11.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Components

11.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment Mode

11.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Data Center Type

11.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11.2.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

11.2.7.1. US

11.2.7.2. Canada

11.2.7.3. Mexico

11.3. Europe

11.3.1. Introduction

11.3.2. Key Region-Specific Dynamics

11.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Components

11.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment Mode

11.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Data Center Type

11.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11.3.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

11.3.7.1. Germany

11.3.7.2. UK

11.3.7.3. France

11.3.7.4. Italy

11.3.7.5. Spain

11.3.7.6. Rest of Europe

11.4. South America

11.4.1. Introduction

11.4.2. Key Region-Specific Dynamics

11.4.3. Key Region-Specific Dynamics

11.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Components

11.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment Mode

11.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Data Center Type

11.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11.4.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

11.4.8.1. Brazil

11.4.8.2. Argentina

11.4.8.3. Rest of South America

11.5. Asia-Pacific

11.5.1. Introduction

11.5.2. Key Region-Specific Dynamics

11.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Components

11.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment Mode

11.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Data Center Type

11.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

11.5.7.1. China

11.5.7.2. India

11.5.7.3. Japan

11.5.7.4. Australia

11.5.7.5. Rest of Asia-Pacific

11.6. Middle East and Africa

11.6.1. Introduction

11.6.2. Key Region-Specific Dynamics

11.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Components

11.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment Mode

11.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Data Center Type

11.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

12. COMPETITIVE LANDSCAPE

12.1. Competitive Scenario

12.2. Market Positioning/Share Analysis

12.3. Mergers and Acquisitions Analysis

13. COMPANY PROFILES

13.1. Schneider Electric*

13.1.1. Company Overview

13.1.2. Product Portfolio and Description

13.1.3. Financial Overview

13.1.4. Key Developments

13.2. Amazon.com, Inc

13.3. Microsoft

13.4. IBM corp

13.5. NVIDIA Corporation

13.6. Cisco Systems, Inc

13.7. Cadence Design Systems, Inc.

13.8. Advanced Micro Devices, Inc.

13.9. CyrusOne

13.10. Juniper Networks, Inc. (*LIST NOT EXHAUSTIVE)

14. APPENDIX

14.1. About Us and Services

14.2. Contact Us

I would like to order

Product name: AI Data Centers Market - 2024-2032

Product link: <https://marketpublishers.com/r/A66A3DDFB36BEN.html>

Price: US\$ 2,999.00 (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/A66A3DDFB36BEN.html>