

# Artificial Intelligence Infrastructure Market Report: Trends, Forecast and Competitive Analysis to 2030

<https://marketpublishers.com/r/A0F61DB98BCFEN.html>

Date: September 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: A0F61DB98BCFEN

## Abstracts

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### Artificial Intelligence Infrastructure Trends and Forecast

The future of the global artificial intelligence infrastructure market looks promising with opportunities in the enterprise, government organization, and cloud service provider markets. The global artificial intelligence infrastructure market is expected to reach an estimated \$123.9 billion by 2030 with a CAGR of 23.8% from 2024 to 2030. The major drivers for this market are increasing amount of data traffic, rising utilization of cloud-based machine learning platforms, and growing preference for connected smart devices.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### Artificial Intelligence Infrastructure by Segment

The study includes a forecast for the global artificial intelligence infrastructure by offering, technology, deployment type, end use industry, and region.

Artificial Intelligence Infrastructure Market by Offering [Shipment Analysis by Value from 2018 to 2030]:

Hardware

Software

Artificial Intelligence Infrastructure Market by Technology [Shipment Analysis by Value from 2018 to 2030]:

Machine Learning

Deep Learning

Artificial Intelligence Infrastructure Market by Deployment Type [Shipment Analysis by Value from 2018 to 2030]:

On-Premises

Cloud

Hybrid

Artificial Intelligence Infrastructure Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

Enterprises

Government Organizations

Cloud Service Providers

Artificial Intelligence Infrastructure Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

## The Rest of the World

### List of Artificial Intelligence Infrastructure Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies artificial intelligence infrastructure companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the artificial intelligence infrastructure companies profiled in this report include-

NVIDIA

Intel

Oracle

Samsung Electronics

Micron Technology

Advanced Micro Devices

IBM

Google

Microsoft

Amazon Web Services

### Artificial Intelligence Infrastructure Market Insights

Lucintel forecasts that hardware is expected to witness higher growth over the forecast period due to its significant use in various applications such as biometrics, robotic process automation, and machine learning.

Cloud service provider will remain the largest segment due to growing demand among organizations for these providers to offer advanced and affordable AI technology outsourcing.

APAC is expected to witness highest growth over the forecast period due to rapid digitalization, availability of robust AI infrastructure, and continuous expansion of 5G network and data centers in the region.

## Features of the Global Artificial Intelligence Infrastructure Market

**Market Size Estimates:** Artificial intelligence infrastructure market size estimation in terms of value (\$B).

**Trend and Forecast Analysis:** Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

**Segmentation Analysis:** Artificial intelligence infrastructure market by various segments, such as by offering, technology, deployment type, end use industry and region in terms of(\$B).

**Regional Analysis:** Artificial intelligence infrastructure market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different offerings, technologies, deployment types, end use industries, and regions for the artificial intelligence infrastructure market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the artificial intelligence infrastructure market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

**Q.1** What is the artificial intelligence infrastructure market size?

**Answer:** The global artificial intelligence infrastructure market is expected to reach an estimated \$123.9 billion by 2030.

Q.2 What is the growth forecast for artificial intelligence infrastructure market?

Answer: The global artificial intelligence infrastructure market is expected to grow with a CAGR of 23.8% from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the artificial intelligence infrastructure market?

Answer: The major drivers for this market are increasing amount of data traffic, rising utilization of cloud-based machine learning platforms, and growing preference for connected smart devices.

Q4. What are the major segments for artificial intelligence infrastructure market?

Answer: The future of the artificial intelligence infrastructure market looks promising with opportunities in the enterprise, government organization, and cloud service provider markets.

Q5. Who are the key artificial intelligence infrastructure market companies?

Answer: Some of the key artificial intelligence infrastructure companies are as follows:

NVIDIA

Intel

Oracle

Samsung Electronics

Micron Technology

Advanced Micro Devices

IBM

Google

Microsoft

Amazon Web Services

Q6. Which artificial intelligence infrastructure market segment will be the largest in future?

Answer: Lucintel forecasts that hardware is expected to witness higher growth over the forecast period due to its significant use in various applications such as biometrics, robotic process automation, and machine learning.

Q7. In artificial intelligence infrastructure market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness highest growth over the forecast period due to rapid digitalization, availability of robust AI infrastructure, and continuous expansion of 5G network and data centers in the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the artificial intelligence infrastructure market by offering (hardware and software), technology (machine learning and deep learning), deployment type (on-premises, cloud, and hybrid), end use industry (enterprises, government organizations, and cloud service providers), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Artificial Intelligence Infrastructure Market, Artificial Intelligence Infrastructure Market Size, Artificial Intelligence Infrastructure Market Growth, Artificial Intelligence Infrastructure Market Analysis, Artificial Intelligence Infrastructure Market Report, Artificial Intelligence Infrastructure Market Share, Artificial Intelligence Infrastructure Market Trends, Artificial Intelligence Infrastructure Market Forecast, Artificial Intelligence Infrastructure Companies, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com). We will be glad to get back to you soon.

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