

# Global AI Inference Server Market Growth 2026-2032

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## Abstracts

The global AI Inference Server market size is predicted to grow from US\$ 19366 million in 2025 to US\$ 56707 million in 2032; it is expected to grow at a CAGR of 16.2% from 2026 to 2032.

AI inference servers can provide users with powerful real-time inference capabilities and are widely used in central AI inference scenarios to help users cope with heavy computing pressure. It has the characteristics of super strong computing performance, high environmental adaptability, low energy consumption, easy deployment and maintenance, and support for cloud edge collaboration, meeting the computing power requirements in application scenarios such as artificial intelligence, intelligent manufacturing, and intelligent edge. In 2025, global AI Inference Server production reached approximately 776K units, with an average global market price of around US\$ 25,512 per unit.

The artificial intelligence computing center is based on an artificial intelligence computer cluster built on AI chips, AI servers, etc., covering a complete system of infrastructure (computer room infrastructure), hardware infrastructure, and software infrastructure, providing the full stack capability of artificial intelligence from the release of computing power from the underlying chips to the enabling of top-level applications. At present, more than 30 cities in China are building or proposing to build intelligent computing centers. During the 14th Five Year Plan period, investment in intelligent computing centers can drive the growth of core industry A by about 2.9-3.4 times, and it is expected to trigger a wave of intelligent computing center construction and application nationwide. Analysis of obstacles and challenges faced by the AI inference server industry. Overall, AI inference servers have benefited from the wave of artificial intelligence and informatization, the rapid development of AIGC represented by Chat GPT, domestic policy incentives, and the commercial cycle of large-scale investment in liquid cooled servers. From the perspective of enterprises, AI inference applications are

more inclined towards commercial implementation compared to AI training. Among them, liquid cooled servers have significant cost reduction potential due to their suitability for higher computing power scenarios, and from the perspective of domestic manufacturers, due to policy incentives such as the 'White Paper on Liquid Cooling Technology for Telecommunications Operators', the market prospects for liquid cooled servers used in data centers are expected to be broad.

LP Information, Inc. (LPI) ' newest research report, the 'AI Inference Server Industry Forecast' looks at past sales and reviews total world AI Inference Server sales in 2025, providing a comprehensive analysis by region and market sector of projected AI Inference Server sales for 2026 through 2032. With AI Inference Server sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world AI Inference Server industry.

This Insight Report provides a comprehensive analysis of the global AI Inference Server landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on AI Inference Server portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global AI Inference Server market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AI Inference Server and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AI Inference Server.

This report presents a comprehensive overview, market shares, and growth opportunities of AI Inference Server market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Liquid Cooling

Air Cooling

### Segmentation by Chip Architecture:

GPU Inference Server

NPU Inference Server

CPU Inference Server

Other

### Segmentation by Physical Form:

Rack Server

Tower Server

Blade Server

### Segmentation by Application:

IT and Communication

Intelligent Manufacturing

Electronic Commerce

Security

Finance

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NVIDIA

Intel

Inspur Systems

Dell

HPE

Lenovo

Huawei

IBM

Giga Byte

H3C

Super Micro Computer

Fujitsu

Powerleader Computer System

xFusion Digital Technologies

Dawning Information Industry

Nettrix Information Industry

Talkweb

ADLINK Technology

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global AI Inference Server market?

What factors are driving AI Inference Server market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do AI Inference Server market opportunities vary by end market size?

How does AI Inference Server break out by Type, by Application?

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