

Market Size, Share, and Trend Analysis Report for Artificial Intelligence (AI) Inference Gateways by Product

The Business Research Company's Market Size, Share, and Trend Analysis Report for Artificial Intelligence (AI) Inference Gateways by Product

LONDON, GREATER LONDON, UNITED KINGDOM, February 19, 2026

[/EINPresswire.com/](https://EINPresswire.com/) -- "The artificial intelligence (AI) inference gateways

market is rapidly evolving, driven by advances in edge computing and the growing need for real-time data processing. As industries adopt smarter automation and connected technologies, this market is set to expand significantly in the coming years. Let's explore the current market size, key growth factors, dominant regions, and emerging trends shaping the future of AI inference gateways.



Expected to grow to \$9.83 billion in 2030 at a compound annual growth rate (CAGR) of 29.4%"

The Business Research Company

Market Expansion and Forecast for the AI Inference Gateways Market

The AI inference gateways market has experienced rapid growth recently, with its value expected to rise from \$2.71 billion in 2025 to \$3.5 billion in 2026, reflecting a strong compound annual growth rate (CAGR) of 29.2%. This surge during the historical period is largely due to the increase in

IoT device deployments, limitations related to cloud latency, early adoption of edge computing solutions, concerns over bandwidth costs, and heightened data privacy requirements. Looking ahead, the market is forecasted to grow even further, reaching \$9.83 billion by 2030, with a CAGR of 29.4%. Key drivers for this forecast include the expansion of industrial automation, the rollout of smart factories, rising demand for edge AI security, the need for real-time analytics, and scalable edge intelligence systems. Important market trends during this period involve real-time edge AI inference, processing decisions with low latency, secure AI execution on devices, managing edge model lifecycles, and developing distributed intelligence frameworks.

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Understanding AI Inference Gateways and Their Role

AI inference gateways are intelligent edge computing devices or platforms designed to run pre-trained AI models locally. They process data and generate insights instantly without depending on centralized cloud infrastructures. The main goal of these gateways is to reduce latency, minimize bandwidth consumption, improve data security, and enable quicker decision-making in applications that require immediate response times. By executing AI tasks at the edge, these gateways support efficient and secure operations, particularly in environments where rapid analytics and autonomous control are critical.

The Industrial Internet of Things as a Key Growth Catalyst

One of the foremost factors driving the growth of the AI inference gateways market is the rising adoption of the industrial internet of things (IIoT) and smart automation technologies. IIoT and smart automation involve deploying interconnected sensors, devices, and intelligent control systems within industrial settings to facilitate real-time monitoring, automation, and optimization of performance. As companies push forward with digital transformation initiatives to boost efficiency, improve safety, and minimize downtime across sectors such as manufacturing, logistics, and energy, the need for AI inference gateways grows accordingly. These gateways aid IIoT and smart automation by processing real-time data locally to provide low-latency decision-making, predictive insights, and autonomous control across connected industrial systems.

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Recent Data Highlights Supporting Market Growth

For example, in September 2024, IoT Analytics reported that the number of connected IoT devices surged from 16.6 billion in 2023 to an anticipated 18.8 billion by the end of 2024, marking a 13% year-over-year increase. Additionally, the European Commission revealed in July 2023 that the deployment of edge nodes in the EU had climbed from 499 units in 2022 to 1,186 units in 2023. These statistics underscore the accelerating adoption of the industrial internet of things and edge technologies, which are pivotal in driving the AI inference gateways market forward.

Geographical Leadership and Emerging Regions in the AI Inference Gateways Market

In 2025, Asia-Pacific stood out as the largest region in the AI inference gateways market, reflecting strong adoption and infrastructure development across multiple countries. Meanwhile, North America is projected to be the fastest-growing region throughout the forecast period, driven by advanced technological integration and innovation. The market analysis covers several

key regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of global market dynamics.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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