

# Global Artificial Intelligence for Edge Devices Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Artificial Intelligence for Edge Devices market size will reach 4,318.87 Million USD in 2025 and is projected to reach 24,140.75 Million USD by 2032, with a CAGR of 27.87% (2025-2032). Notably, the China Artificial Intelligence for Edge Devices market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Artificial Intelligence for Edge Devices refers to the deployment of AI algorithms and models on small devices located at the edge of the network, close to where data is generated. These devices could be sensors, cameras, or other types of smart devices that collect and process data locally. By deploying AI models on edge devices, the need for sending data to the cloud for processing is reduced, which enables faster response times, lower latency, and reduced network congestion. This approach also provides greater privacy and security, as sensitive data does not need to leave the device. AI for edge devices includes a range of technologies, such as machine learning, deep learning, natural language processing, and computer vision. These algorithms are designed to perform specific tasks such as object recognition, classification, prediction, and decision-making. The goal is to enable edge devices to operate autonomously, with minimal human intervention, and to provide real-time insights and actions.

The major global suppliers of Artificial Intelligence for Edge Devices include Microsoft,

Qualcomm, Intel, Google, Alibaba, NVIDIA, Arm, Horizon Robotics, Baidu, Synopsys, Cambricon, MediaTek, Mythic, NXP, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Artificial Intelligence for Edge Devices. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global Artificial Intelligence for Edge Devices market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Artificial Intelligence for Edge Devices market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Artificial Intelligence for Edge Devices industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Suppliers of Artificial Intelligence for Edge Devices Include:

Microsoft

Qualcomm

Intel

Google

Alibaba

NVIDIA

Arm

Horizon Robotics

Baidu

Synopsys

Cambricon

MediaTek

Mythic

NXP

Artificial Intelligence for Edge Devices Product Segment Include:

Hardware

Software

Artificial Intelligence for Edge Devices Product Application Include:

Automotive

Consumer and Enterprise Robotics

Drones

Head-Mounted Displays

Smart Speakers

Security Cameras

## **Chapter Scope**

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