

Global Artificial Intelligence for Edge Devices Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our latest research, the global Artificial Intelligence for Edge Devices market size will reach USD 15960 million in 2030, growing at a CAGR of 25.7% over the analysis period.

Artificial intelligence (AI) processing today is mostly done in a cloud-based data center. The majority of AI processing is dominated by training of deep learning models, which requires heavy compute capacity. Artificial intelligence for edge devices means that AI software algorithms are processed locally on a hardware device. The algorithms are using data (sensor data or signals) that are created on the device. A device using Edge AI software does not need to be connected in order to work properly, it can process data and take decisions independently without a connection. In this report, artificial intelligence for edge devices contains software tools, platforms, artificial intelligence chip.

The Artificial Intelligence for Edge Devices market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

Global Artificial Intelligence for Edge Devices key players include Microsoft, Qualcomm, Intel, Google, Alibaba, etc. Global top five manufacturers hold a share over 50%.

North America is the largest market, with a share about 45%, followed by Europe and

China, both have a share over 30 percent.

In terms of product, Hardware is the largest segment, with a share about 70%. And in terms of application, the largest application is Mobile Phones, followed by Smart Speakers.

Market segmentation

Artificial Intelligence for Edge Devices market is split by Type and by Application. For the period 2024-2030, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type, covers

Hardware

Software

Market segment by Application, can be divided into

Automotive

Consumer and Enterprise Robotics

Drones

Head-Mounted Displays

Smart Speakers

Security Cameras

Market segment by players, this report covers

Microsoft

Qualcomm

Intel

Google

Alibaba

NVIDIA

Arm

Horizon Robotics

Baidu

Synopsys

Cambricon

MediaTek

Mythic

NXP

Market segment by regions, regional analysis covers

North America

Europe

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

South America

Middle East & Africa

The content of the study subjects, includes a total of 8 chapters:

Chapter 1, to describe Artificial Intelligence for Edge Devices product scope, market overview, market opportunities, market driving force and market risks.

Chapter 2, to profile the top players of Artificial Intelligence for Edge Devices, with recent developments and future plans

Chapter 3, the Artificial Intelligence for Edge Devices competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4, to break the market size data at the region level, with key companies in the key region and Artificial Intelligence for Edge Devices market forecast, by regions, with revenue, from 2024 to 2030.

Chapter 5 and 6, to segment the market size by Type and application, with revenue and growth rate by Type, application, from 2024 to 2030.

Chapter 7 and 8, to describe Artificial Intelligence for Edge Devices research findings and conclusion, appendix and data source.

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