

Global Artificial Intelligence Edge Device Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Artificial Intelligence Edge Device market size was valued at US\$ 986 million in 2024 and is forecast to a readjusted size of USD 2744 million by 2031 with a CAGR of 15.9% during review period.

Artificial Intelligence edge devices refer to hardware devices that perform Artificial Intelligence (AI) tasks in edge computing environments.

Artificial Intelligence edge devices refer to hardware devices that perform Artificial Intelligence (AI) tasks in edge computing environments. Traditionally, AI tasks are usually processed on cloud computing servers, but as technology advances and demand increases, it is becoming increasingly important to introduce AI capabilities into edge devices. Artificial intelligence edge devices have certain computing power and storage resources and can execute AI algorithms and model reasoning locally, thereby achieving real-time response, reducing latency and reducing dependence on cloud services. These devices can be smartphones, IoT devices, surveillance cameras, smart speakers, robots, etc.

This report is a detailed and comprehensive analysis for global Artificial Intelligence Edge Device market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Artificial Intelligence Edge Device market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Artificial Intelligence Edge Device market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Artificial Intelligence Edge Device market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Artificial Intelligence Edge Device market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Artificial Intelligence Edge Device
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Artificial Intelligence Edge Device market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intel Corporation, Huawei Technologies, MediaTek, Xilinx, NVIDIA Corporation, Microsoft Corporation, Samsung Electronics, Imagination Technologies Limited, Google, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Artificial Intelligence Edge Device market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and

forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

CPU

GPU

ASIC

Market segment by Application

Consumer Electronics

Smart Home

Automotive and Transportation

Healthcare

Industrial

Aerospace & Defence

Major players covered

Intel Corporation

Huawei Technologies

MediaTek

Xilinx

NVIDIA Corporation

Microsoft Corporation

Samsung Electronics

Imagination Technologies Limited

Google

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Artificial Intelligence Edge Device product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Artificial Intelligence Edge Device, with price, sales quantity, revenue, and global market share of Artificial Intelligence Edge Device from 2020 to 2025.

Chapter 3, the Artificial Intelligence Edge Device competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Artificial Intelligence Edge Device breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Artificial Intelligence Edge Device market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Artificial Intelligence Edge Device.

Chapter 14 and 15, to describe Artificial Intelligence Edge Device sales channel, distributors, customers, research findings and conclusion.

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