

Global AI Edge Chip Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global AI Edge Chip market size was valued at USD 27370 million in 2022 and is forecast to a readjusted size of USD 48800 million by 2029 with a CAGR of 8.6% during review period.

The development trend for AI edge chips includes the following. AI edge chips are becoming more powerful, allowing for complex AI algorithms to be run directly on the edge device. This enables faster and more efficient processing of AI tasks without the need for cloud connectivity. Edge devices often have limited power resources, so AI edge chips are being designed to be more energy-efficient. This allows for longer battery life and reduced power consumption, making them suitable for use in mobile and IoT devices. With the increasing use of AI in edge devices, security is a major concern. AI edge chips are being developed with built-in security features to protect sensitive data and prevent unauthorized access.

The Global Info Research report includes an overview of the development of the AI Edge Chip industry chain, the market status of Automotive Industry (System-on-chip, Multi-chip Module), Healthcare Industry (System-on-chip, Multi-chip Module), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of AI Edge Chip.

Regionally, the report analyzes the AI Edge Chip markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global AI Edge Chip market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the AI Edge Chip market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the AI Edge Chip industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., System-on-chip, Multi-chip Module).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the AI Edge Chip market.

Regional Analysis: The report involves examining the AI Edge Chip market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the AI Edge Chip market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to AI Edge Chip:

Company Analysis: Report covers individual AI Edge Chip manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards AI Edge Chip This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive Industry, Healthcare Industry).

Technology Analysis: Report covers specific technologies relevant to AI Edge Chip. It

assesses the current state, advancements, and potential future developments in AI Edge Chip areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the AI Edge Chip market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

AI Edge Chip market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

System-on-chip

Multi-chip Module

Others

Market segment by Application

Automotive Industry

Healthcare Industry

Industrial Automation

Agriculture Industry

Others

Major players covered

Apple

Qualcomm

Intel

MediaTek

Samsung

MTK

NVIDIA

Rockchip

Huawei

Xilinx

Unisoc

Advanced Micro Devices

Kneron

STMicroelectronics

AllwinnerTechnology

Bitmain Technologies

Cambricon Technologies

WUQi MICRO

intellif

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 AI Edge Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI Edge Chip, with price, sales, revenue and global market share of AI Edge Chip from 2018 to 2023.

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

Chapter 4, the AI Edge Chip breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and AI Edge Chip market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 AI Edge Chip.

Chapter 14 and 15, to describe AI Edge Chip sales channel, distributors, customers, research findings and conclusion.

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