

Global AI Edge Chip Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global AI Edge Chip market size is expected to reach \$ 48800 million by 2029, rising at a market growth of 8.6% CAGR during the forecast period (2023-2029).

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.

This report studies the global AI Edge Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI Edge Chip, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI Edge Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI Edge Chip total production and demand, 2018-2029, (K Units)

Global AI Edge Chip total production value, 2018-2029, (USD Million)

Global AI Edge Chip production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global AI Edge Chip consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: AI Edge Chip domestic production, consumption, key domestic manufacturers and share

Global AI Edge Chip production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global AI Edge Chip production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global AI Edge Chip production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global AI Edge Chip market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Apple, Qualcomm, Intel, MediaTek, Samsung, MTK, NVIDIA, Rockchip and Huawei, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AI Edge Chip market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global AI Edge Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI Edge Chip Market, Segmentation by Type

System-on-chip

Multi-chip Module

Others

Global AI Edge Chip Market, Segmentation by Application

Automotive Industry

Healthcare Industry

Industrial Automation

Agriculture Industry

Others

Companies Profiled:

Apple

Qualcomm

Intel

MediaTek

Samsung

MTK

NVIDIA

Rockchip

Huawei

Xilinx

Unisoc

Advanced Micro Devices

Kneron

STMicroelectronics

AllwinnerTechnology

Bitmain Technologies

Cambricon Technologies

WUQi MICRO

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Key Questions Answered

1. How big is the global AI Edge Chip market?
2. What is the demand of the global AI Edge Chip market?
3. What is the year over year growth of the global AI Edge Chip market?
4. What is the production and production value of the global AI Edge Chip market?
5. Who are the key producers in the global AI Edge Chip market?

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