

Edge Artificial Intelligence (AI) Chip Market, Global Outlook and Forecast 2022-2028

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Abstracts

In order to provide greater security and efficiency, many data centers are overseeing the widespread implementation of artificial intelligence (AI) in their processes and systems. AI technologies and tasks require specialized AI chips that are more powerful and optimized for advanced machine learning (ML) algorithms, owing to an overall growth in data center chip revenues.

Edge computing is a fast-growing market, with the forecast global revenue set to reach nine billion U.S. dollars by 2024. Capital expenditure on edge computing devices and infrastructure is projected to amount to a staggering 146 billion U.S. dollars by 2028. The global edge data center market size is expected to reach 13.5 billion U.S. dollars in 2024, twice the size of the market in 2020, with experts suggesting that the growth of emerging technologies like 5G and IoT will contribute to this growth.

This report contains market size and forecasts of Edge Artificial Intelligence (AI) Chip in global, including the following market information:

Global Edge Artificial Intelligence (AI) Chip Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Edge Artificial Intelligence (AI) Chip Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Edge Artificial Intelligence (AI) Chip companies in 2021 (%)

The global Edge Artificial Intelligence (AI) Chip market was valued at 2099.9 million in 2021 and is projected to reach US\$ 5610.6 million by 2028, at a CAGR of 15.1% during

the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

System-on-Chip (SoC) Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Edge Artificial Intelligence (AI) Chip include Qualcomm, MediaTek, STMicroelectronics, Rockchip, Advanced Micro Devices (AMD), Adapteva, Inc, Alphabet Inc, Analog Devices, Inc and Applied Materials, Inc., etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Edge Artificial Intelligence (AI) Chip manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Edge Artificial Intelligence (AI) Chip Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Edge Artificial Intelligence (AI) Chip Market Segment Percentages, by Type, 2021 (%)

System-on-Chip (SoC)

System-in-Package (SIP)

Multi-chip Module

Others

Global Edge Artificial Intelligence (AI) Chip Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Edge Artificial Intelligence (AI) Chip Market Segment Percentages, by

Application, 2021 (%)

Smartphone

Tablet

Speaker

Wearable

Others

Global Edge Artificial Intelligence (AI) Chip Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Edge Artificial Intelligence (AI) Chip Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Edge Artificial Intelligence (AI) Chip revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Edge Artificial Intelligence (AI) Chip revenues share in global market, 2021 (%)

Key companies Edge Artificial Intelligence (AI) Chip sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Edge Artificial Intelligence (AI) Chip sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Qualcomm

MediaTek

STMicroelectronics

Rockchip

Advanced Micro Devices (AMD)

Adapteva, Inc

Alphabet Inc

Analog Devices, Inc

Applied Materials, Inc.

Bitmain Technologies Ltd.

Broadcom Limited

Cambricon Technologies Corporation Limited

Graphcore Ltd.

Groq

Gyr Falcon Technology Inc.

Horizon Robotics, Inc.

Huawei Technologies Co. Ltd.

Intel Corporation

Knuedge, Inc.

Krtrl Inc.

Micron Technology, Inc.

Microsemi Corporation

Mythic, Inc.

NEC Corporation

NXP Semiconductors N.V.

SK Hynix, Inc.

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