

# Edge AI Processor Market 2021-2030: Unlocking New Potential in Smart Devices and IoT

Edge AI Processor Market Showing Impressive Growth during Forecast Period 2021 - 2030

WILMINGTON, DE, UNITED STATES, September 19, 2024 / EINPresswire.com/ -- Allied Market Research, titled, "[Edge AI Processor Market](#)," The edge AI processor market was valued at \$2.5 billion in 2021, and is estimated to reach \$9.6 billion by 2030, growing at a CAGR of 16% from 2022 to 2030.



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The Edge AI Processor market size is expected to accelerate in the forecast period. Edge has many advantages in addition to operational responsiveness, such as energy efficiency. As more data is processed at the edge, less data is moved to and from the cloud, resulting in lower data latency and energy consumption. Over half of organizations, according to the IBV, intend to use edge computing applications for energy efficiency management during the next few years. These factors are anticipated to boost the edge AI processor market growth over the forecast period.

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Edge AI Processor Market is widely used in industries like electronics, retail and e-commerce, and automotive industries.”

*Allied Market Research*

The global Edge AI processor industry is segmented based on type, device type, and end-use. By type, the market is classified into central processing unit (CPU), graphics processing unit (GPU), and application-specific integrated circuit (ASIC). By device type, the analysis has been divided into consumer devices and enterprise devices. By end-use, the market is further divided into automotive & transportation, healthcare, consumer electronics, retail & e-commerce,

manufacturing, and others. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players profiled in this report include Intel Corporation, AMD, Arm Limited, Qualcomm, and others. The report also covers the market for Edge AI processors in various countries, presenting data in terms of both value and volume. The revenue is calculated by proliferating the volume by region-specific prices, considering the region-wise differentiated prices.

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The report focuses on the global Edge AI processor market trends and the major products & applications, where Edge AI processors are deployed. It further highlights numerous factors that influence market growth, such as forecasts, trends, drivers, restraints, opportunities, and roles of different key players that shape the market. The report focuses on the overall demand for Edge AI processors in various countries, presenting data in terms of both value and volume. The revenue is calculated by proliferating the volume by region-specific prices, considering the region-wise differentiated prices.

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- Organizations all over the world are implementing appropriate measures to limit pandemic risks, such as remote working capabilities, remote asset maintenance & monitoring, plant automation, and telehealth. The transition from computers to the cloud to the edge has proven to be quite beneficial to the healthcare industry. Many hospitals and pharmaceutical companies have begun to embrace edge AI.
- Furthermore, even though the technology is not new, research indicates that there will be numerous ways for the healthcare sector to incorporate edge IoT and Edge AI into their daily operations in the coming years.
- The healthcare sector is projected to have a significant beneficial influence, as companies realize the value of edge AI in combatting the virus's effects. As a result, financing and research to keep organizations safe and secure across the value chain has expanded. As countries gradually emerge from lockdown, the industrial and communications industries are reviewing the situation.

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processor market share along with future opportunities.

- based on type, the central processing unit (CPU) segment emerged as the global leader in 2021 and is anticipated to be the largest market during the forecast period.
- based on device type, the consumer devices segment emerged as the global leader in 2021 and is anticipated to be the largest market during the forecast period.
- based on region, Asia-Pacific is projected to have the fastest-growing market during the forecast period.

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David Correa

Allied Market Research

+1 800-792-5285

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