

# Global Edge AI Hardware Market Will Grow at 20.2% CAGR through 2026: Facts and Factors

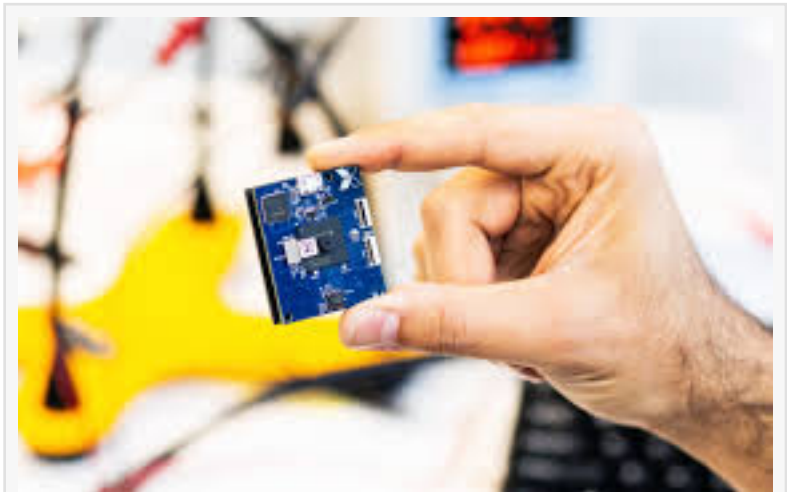
*Global Edge AI hardware market is expected to grow at a CAGR of 20.2% and is anticipated to reach around 2160 Million Units by 2026.*

NEW YORK, UNITED STATES, August 17, 2020 /EINPresswire.com/ -- Findings from

Facts and Factors report "[Edge AI Hardware Market](#) by Device

(Smartphones, Cameras, Robots, Automobile, Smart Speakers, Wearable, and Smart Mirror) by Processor (CPU, GPU, ASIC, others) by Power Consumption (Less Than 1 W, 1–3 W, 3–5 W, 5–10 W, and More Than 10 W) by Process (Training, and Interface), and Application (Consumer Electronics,

Smart Home, Automotive & Transportation, Government, Healthcare, Industrial, Aerospace & Defense, Construction, and Others): Global Industry Outlook, Market Size, Business Intelligence, Consumer Preferences, Statistical Surveys, Comprehensive Analysis, Historical Developments, Current Trends, and Forecasts, 2020–2026" states that the global demand for Edge AI hardware market in 2019 was approximately 594 Million Units. The market is expected to grow at a CAGR of 20.2% and is anticipated to reach around 2160 Million Units by 2026.



Edge AI Hardware Market

Edge is where the data exist and is collected. It enables to connect in real time with the customers anywhere. Edge AI is referred to AI algorithms which are processed on hardware devices locally. For instance, the iPhone has the facility to recognize and register the user's face to unlock the phone in a fraction of time. In addition, Edge AI offers better solutions to prevalent problems such as latency. The real-time insights and low latency enable in developing better customer experiences.

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The global edge AI market is primarily driven by increasing demand for real time processing and low latency on edge devices along with the availability of the power-efficient chipsets in the global market. In addition, reduction in operation cost and data storage is also expected to boost the market in the near future. On a contrary, increasing security concerns related to personal data is expected to hinder the growth of the market. Nonetheless, rising demand for edge computing in IoT is estimated to open new alluring opportunities in the market over the projected period.

The global edge AI market is segmented on the basis of device, processor, end user, and region. On the basis of the device, the market is segmented into smartphones, cameras, robots, automobile, smart speakers, wearable, and smart mirror. Camera is expected to grow at higher CAGR over the projected period, owing to its central part of several smart devices with smart functions, Wi-Fi support, high speed, and increased performance over the years. However, standalone smart devices cameras that comprise VPU (vision processing units) which enables offering power-efficient solutions for artificial intelligence are also developing their existence in the market. On the basis of processor, the market is bifurcated into CPU, GPU, ASIC, and others. The power consumption of edge AI hardware devices are less Than 1 W, 1–3 W, 3–5 W, 5–10 W, and more than 10 W. By process, the market is divided into training and interface. Consumer electronics, automotive & transportation smart home, government, healthcare, industrial, aerospace & defense, construction, and others are the end users for the market.

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North America held the largest market share in 2018, owing to the strong presence of IT giants such as Microsoft, IBM, Google, and AWS which contributes in offering AI platforms to various industries in the region. In addition, rising number of and growing dependency on IoT devices also expected to fuel the growth of the market in this region. Europe is estimated to witness significant growth in the market over the expected period, owing to a growing number of IT start-ups which offer AI platforms in the region. Asia Pacific is expected to be the fastest growing region over the estimated time, due to increasing adoption of artificial intelligence solutions and IT infrastructure by the small and medium-sized enterprises in the region.

Some of the key players involved in the global edge AI market are Intel Corporation, NVIDIA Corporation, Samsung Electronics Co., Ltd, Huawei Technologies Co., Ltd., Google Inc., MediaTek Inc., Xilinx Inc., Imagination Technologies Limited, and Microsoft Corporation among others.

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This report segments the Edge AI Hardware market as follows:

Global Edge AI Hardware Market: By Device Segmentation Analysis

- Smartphones
- Cameras
- Robots
- Automobile
- Smart Speakers
- Wearable
- Smart Mirror

Global Edge AI Hardware Market: By Processor Segmentation Analysis

- CPU
- GPU
- ASIC
- Others

Global Edge AI Hardware Market: By Power Consumption Segmentation Analysis

- Less Than 1 W
- 1–3 W, 3–5 W
- 5–10 W
- More Than 10 W

Global Edge AI Hardware Market: By Process Segmentation Analysis

- Training
- Interface

Global Edge AI Hardware Market: By Applications Segmentation Analysis

- Consumer Electronics
- Smart Home
- Automotive & Transportation
- Government

Healthcare  
Industrial  
Aerospace & Defence  
Construction  
Others

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