

Global Edge AI Hardware Market Size study, by Device (Smartphones , Surveillance, cameras , Robots, Wearables , Edge servers , Smart speakers , Automotive, Smart mirrors), by Power Consumption (Less than 1 W, 1-3 W, 3-5 W,5-19 W, More than 10 W), by Processor (CPU, GPU, ASIC, Others), and Regional Forecasts 2021-2027

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Abstracts

Global Edge AI Hardware Market is valued approximately at USD XXX in 2020 and is anticipated to grow with a healthy growth rate of more than 17.9% over the forecast period 2021-2027. Edge AI hardware refers to devices and equipment that are majorly used for processing and power artificial intelligent-based robots and devices used through Internet of things. The global Edge AI Hardware market is being driven by the rising demand for low latency and the real time processing data on edge devices , emergence of AL coprocessors for the edge computing as well as rapid growth in the number of intelligent applications. Furthermore, the dedicated AI processors for on-device image analytics and growth in demand for edge computing in IoT will provide new opportunities for the global Edge AI Hardware industry. For instance, according to Statista, in year 2018, there were 22 billion internet of things (IoT) connected devices in use across the world and it is also forecasted that by year 2030 around 50 billion of these IoT connected devices will be in use worldwide, which will create a massive web of interconnected devices and artificial intelligence spanning everything from smartphones to kitchen appliances. As a result, increased number of IOT connected devices will serve as a catalyst for the Edge AI Hardware industry in the future. However, limited on-device training and limited number of AI experts may impede market growth over the forecast period of 2021-2027.

Asia Pacific, North America, Europe, Latin America, and Rest of the World are the key regions considered for the regional analysis of global Edge AI Hardware Market. Increase adoption of AI processor-enabled smartphones owing to growing penetration of smartphones makes Asia Pacific the leading region across the world in terms of market share. Whereas Asia Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2021-2027, due to increasing demand for integration with vision processing units to accelerate AI tasks in the region.

Major market player included in this report are:

Intel
Nvidia
Qualcomm technologies
Huawei technologies co, LTD
Samsung Electronics
IBM
Micron Technology
Xilinx
AMD
Google

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Device:

Smartphones
Surveillance cameras
Robots
Wearables
Edge servers
Smart speakers
Automotive

Smart mirrors

By Power Consumption:

Less than 1 W

1-3 W

3-5 W

5-19 W

More than 10 W

By Processor:

CPU

GPU

ASIC

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Global Edge AI Hardware Market Size study, by Device (Smartphones , Surveillance, cameras , Robots, Wearables...

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Edge AI Hardware Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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