

Global Embedded Hardware for Edge AI Market Growth 2024-2030

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Abstracts

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The global Embedded Hardware for Edge AI market size is projected to grow from US\$ 1468 million in 2024 to US\$ 4621 million in 2030; it is expected to grow at a CAGR of 21.1% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Embedded Hardware for Edge AI Industry Forecast” looks at past sales and reviews total world Embedded Hardware for Edge AI sales in 2023, providing a comprehensive analysis by region and market sector of projected Embedded Hardware for Edge AI sales for 2024 through 2030. With Embedded Hardware for Edge AI sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Embedded Hardware for Edge AI industry.

This Insight Report provides a comprehensive analysis of the global Embedded Hardware for Edge AI landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Embedded Hardware for Edge AI portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Embedded Hardware for Edge AI market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Embedded Hardware for Edge AI and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging

pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Embedded Hardware for Edge AI.

China and the United States are two leaders in AI industry. On the AI 100 list (2022) released by CB Insights, the number of companies in the United States ranks first, with more than 70 companies, followed by the United Kingdom, with 8 companies on the list. China and Canada both holds 5 companies on the list. According to data from the China Academy of Information and Communications Technology, the scale of China's core artificial intelligence industry reached \$508 billion in 2022, a year-on-year increase of 18%. From 2013 to November 2022, the cumulative number of patent applications for artificial intelligence inventions in the world reached 729,000, and the cumulative number of applications in China reached 389,000, accounting for 53.4%. However, the Global Artificial Intelligence Innovation Index Report 2021 released by the China Institute of Scientific and Technological Information shows that the overall strength of the United States is still far ahead. The number of artificial intelligence companies in the United States is about 4,670, while China has only 880. China's data center is less than 1/24 of that of the United States.

This report presents a comprehensive overview, market shares, and growth opportunities of Embedded Hardware for Edge AI market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GPU

VPU

FPGA

ASIC

Segmentation by Application:

Healthcare

Entertainment

Smart Factories

Smart AI Vision

Smart Energy

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

AMD (Xilinx)

Intel (Altera)

Microchip (Microsemi)

Lattice

Achronix Semiconductor

NVIDIA

Advantech

Intel

Infineon Technologies

OmniVision Technologies

Key Questions Addressed in this Report

What is the 10-year outlook for the global Embedded Hardware for Edge AI market?

What factors are driving Embedded Hardware for Edge AI market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Embedded Hardware for Edge AI market opportunities vary by end market size?

How does Embedded Hardware for Edge AI break out by Type, by Application?

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