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Machine Learning Chip Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Machine Learning Chip Trends and Forecast

The future of the global machine learning chip market looks promising with opportunities in the BFSI, IT and telecom, media and advertising, retail, healthcare, and automotive markets. The global machine learning chip market is expected to grow with a CAGR of 23.3% from 2024 to 2030. The major drivers for this market are the increasing trend of device miniaturization, the growing consumer preference for graphics processing units to do several difficult jobs concurrently, and increasing trend of digitalization and global information technology (IT) sector expansion.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Machine Learning Chip by Segment

The study includes a forecast for the global machine learning chip by technology, chip type, end use, and region.

Machine Learning Chip Market by Technology [Shipment Analysis by Value from 2018 to 2030]:

System-On-Chip

System-In-Package

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Multi-Chip Module

Others

Machine Learning Chip Market by Chip Type [Shipment Analysis by Value from 2018 to 2030]:

GPU

ASIC

FPGA

CPU

Others

Machine Learning Chip Market by End Use [Shipment Analysis by Value from 2018 to 2030]:

BFSI

IT and Telecom

Media and Advertising

Retail

Healthcare

Automotive

Others

Machine Learning Chip Market by Region [Shipment Analysis by Value from 2018 to

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2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Machine Learning Chip Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies machine learning chip companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the machine learning chip companies profiled in this report include-

Advanced Micro Devices

Amazon Web Services

Cerebras

Google

Graphcore

Intel

International Business Machines

NVIDIA

Qualcomm

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Samsung Electronics

Machine Learning Chip Market Insights

Lucintel forecasts that system-on-chip will remain the largest segment due to SoCs encapsulate various processing units like CPUs, GPUs, NPUs, and AI accelerators onto a single chip.

APAC will remain the largest region over the forecast period due to increasing concern about the security of vital infrastructure, rising demand for quantum computing, and rising usage in the IT industry.

Features of the Global Machine Learning Chip Market

Market Size Estimates: Machine learning chip market size estimation in terms of value ($B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Machine learning chip market size by technology, chip type, end use, and region in terms of value ($B).

Regional Analysis: Machine learning chip market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different technology, chip type, end use, and regions for the machine learning chip market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the machine learning chip market.

Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

FAQ

Q1. What is the growth forecast for machine learning chip market?

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Answer: The global machine learning chip market is expected to grow with a CAGR of 23.3% from 2024 to 2030.

Q2. What are the major drivers influencing the growth of the machine learning chip market?

Answer: The major drivers for this market are the increasing trend of device miniaturization, the growing consumer preference for graphics processing units to do several difficult jobs concurrently, and increasing trend of digitalization and global information technology (IT) sector expansion.

Q3. What are the major segments for machine learning chip market?

Answer: The future of the global machine learning chip market looks promising with opportunities in the BFSI, IT and telecom, media and advertising, retail, healthcare, and automotive markets.

Q4. Who are the key machine learning chip market companies?

Answer: Some of the key machine learning chip companies are as follows:

Advanced Micro Devices

Amazon Web Services

Cerebras

Google

Graphcore

Intel

International Business Machines

NVIDIA

Qualcomm

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Samsung Electronics

Q5. Which machine learning chip market segment will be the largest in future?

Answer: Lucintel forecasts that system-on-chip will remain the largest segment due to SoCs encapsulate various processing units like CPUs, GPUs, NPUs, and AI accelerators onto a single chip.

Q6. In machine learning chip market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the largest region over the forecast period due to increasing concern about the security of vital infrastructure, rising demand for quantum computing, and rising usage in the IT industry.

Q7. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the machine learning chip market by technology (system-on-chip, system-in-package, multi-chip module, and others), chip type (GPU, ASIC, FPGA, CPU, and others), end use (BFSI, IT and telecom, media and advertising, retail, healthcare, automotive, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

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Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Machine Learning Chip Market, Machine Learning Chip Market Size, Machine Learning Chip Market Growth, Machine Learning Chip Market Analysis, Machine Learning Chip Market Report, Machine Learning Chip Market Share, Machine Learning Chip Market Trends, Machine Learning Chip Market Forecast, Machine Learning Chip Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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7.5: Graphcore
7.6: Intel
7.7: International Business Machines
7.8: NVIDIA
7.9: Qualcomm
7.10: Samsung Electronics

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