+357 96 030922
info@marketpublishers.com

Machine Learning Chips Market Size, Share, and Outlook, 2025 Report- By Type (Graphic Processing Unit (GPU), Application-Specific Integrated Circuit (ASIC), Field-Programmable Gate Array (FPGA), Central Processing Unit (CPU), Others), By Technology (System-on-chip (SoC), System-in-package (SIP), Multi-chip module, Others), By Processing (Edge, Cloud Based), By End-User (Media & Advertising, Banking, Financial Services and Insurance (BFSI), IT & telecom, Retail, Healthcare, Automotive & Transportation, Others), 2018-2032

https://marketpublishers.com/r/M5E6195108AEEN.html
Date: April 2025
Pages: 163
Price: US$ 3,680.00 (Single User License)
ID: M5E6195108AEEN

Abstracts

Machine Learning Chips Market Outlook

The Machine Learning Chips Market size is expected to register a growth rate of 26.4% during the forecast period from $19.1 Billion in 2025 to $98.5 Billion in 2032. The Machine Learning Chips market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Machine Learning Chips segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Graphic Processing Unit (GPU), Application-Specific Integrated Circuit (ASIC), Field-Programmable Gate Array (FPGA), Central Processing Unit (CPU), Others), By Technology (System-on-chip (SoC), System-in-

+357 96 030922
info@marketpublishers.com

package (SIP), Multi-chip module, Others), By Processing (Edge, Cloud Based), By End-User (Media & Advertising, Banking, Financial Services and Insurance (BFSI), IT & telecom, Retail, Healthcare, Automotive & Transportation, Others). Over 70 tables and charts showcase findings from our latest survey report on Machine Learning Chips markets.

Machine Learning Chips Market Insights, 2025

The machine learning chips market is expanding rapidly as AI applications require high-performance hardware to handle complex computations. Companies like NVIDIA, AMD, and Intel are leading innovations in AI accelerators, including GPUs, TPUs, and custom-designed AI processors that enhance deep learning and neural network training. The rise of edge AI computing is fueling demand for specialized AI chips that enable real-time processing in autonomous vehicles, IoT devices, and robotics. Cloud providers such as Google, AWS, and Microsoft Azure are also investing in AI hardware to support AI-as-a-Service (AIaaS) offerings. However, supply chain disruptions and geopolitical tensions affecting semiconductor production are posing challenges to market expansion. The push for energy-efficient AI chips is another major trend, with researchers focusing on neuromorphic computing and quantum-inspired architectures. As AI applications become more mainstream, machine learning chips are expected to play a critical role in accelerating AI adoption across various industries.

Five Trends that will define global Machine Learning Chips market in 2025 and Beyond

A closer look at the multi-million market for Machine Learning Chips identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Machine Learning Chips companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Machine Learning Chips vendors.

What are the biggest opportunities for growth in the Machine Learning Chips industry?

The Machine Learning Chips sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users

+357 96 030922
info@marketpublishers.com

to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Machine Learning Chips Market Segment Insights

The Machine Learning Chips industry presents strong offers across categories. The analytical report offers forecasts of Machine Learning Chips industry performance across segments and countries. Key segments in the industry include%li%By Type (Graphic Processing Unit (GPU), Application-Specific Integrated Circuit (ASIC), Field-Programmable Gate Array (FPGA), Central Processing Unit (CPU), Others), By Technology (System-on-chip (SoC), System-in-package (SIP), Multi-chip module, Others), By Processing (Edge, Cloud Based), By End-User (Media & Advertising, Banking, Financial Services and Insurance (BFSI), IT & telecom, Retail, Healthcare, Automotive & Transportation, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Machine Learning Chips market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Machine Learning Chips industry ecosystem. It assists decision-makers in evaluating global Machine Learning Chips market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Machine Learning Chips industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Machine Learning Chips Market Analysis%li%A Promising Growth Arena for Business Expansion

+357 96 030922
info@marketpublishers.com

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Machine Learning Chips Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Machine Learning Chips with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Machine Learning Chips market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Machine Learning Chips market Insights%li%Vendors are exploring new opportunities within the US Machine Learning Chips industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Machine Learning Chips companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Machine Learning Chips market.

Latin American Machine Learning Chips market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central

+357 96 030922
info@marketpublishers.com

American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Machine Learning Chips Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Machine Learning Chips markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Machine Learning Chips markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Machine Learning Chips companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Alphabet, Graphcore, IBM, Intel Corp, NVIDIA Corp, Qualcomm Technologies Inc, Taiwan Semiconductor Manufacturing Company Ltd, Wave Computing Inc.

Machine Learning Chips Market Segmentation

By Type

Graphic Processing Unit (GPU)

Application-Specific Integrated Circuit (ASIC)

+357 96 030922
info@marketpublishers.com

Field-Programmable Gate Array (FPGA)

Central Processing Unit (CPU)

Others

By Technology

System-on-chip (SoC)

System-in-package (SIP)

Multi-chip module

Others

By Processing

Edge

Cloud Based

By End-User

Media & Advertising

Banking, Financial Services and Insurance (BFSI)

IT & telecom

Retail

Healthcare

Automotive & Transportation

Others

Leading Companies

+357 96 030922
info@marketpublishers.com

Alphabet

Graphcore

IBM

Intel Corp

NVIDIA Corp

Qualcomm Technologies Inc

Taiwan Semiconductor Manufacturing Company Ltd

Wave Computing Inc

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

5. MACHINE LEARNING CHIPS MARKET OUTLOOK TO 2032

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Machine Learning Chips Market Size, Share, and Outlook, 2025 Report- By Type (Graphic Processing Unit (GPU), Application-Specific Integrated Circuit (ASIC), Field-Programmable Gate Array (FPGA), Central Processing Unit (CPU), Others), By Technology (System-on-chip (SoC), System-in-package (SIP), Multi-chip module, Others), By Processing (Edge, Cloud Based), By End-User (Media & Advertising, Banking, Financial Services and Insurance (BFSI), IT & telecom, Retail, Healthcare, Automotive & Transportation, Others), 2018-2032

Product link: https://marketpublishers.com/r/M5E6195108AEEN.html

Price: US$ 3,680.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/M5E6195108AEEN.html