

Neuromorphic Chip Market Forecasts to 2028 – Global Analysis By Offering (Hardware, Software), Application (Image Recognition, Visual Processing, Pattern Recognition, Signal Recognition, Data Mining) and By Geography

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Abstracts

According to Statistics MRC, the Global Neuromorphic Chip Market is accounted for \$22.50 million in 2020 and is expected to reach \$449.47 million by 2028 growing at a CAGR of 45.4% during the forecast period. Factors such as developments in artificial intelligence (AI) and machine learning (ML) and increasing digitalization are driving the growth of the market. However, lack of proper awareness regarding advanced technologies is hampering the growth of the market.

Neuromorphic chips are digitally processed analog chips with a series of networks which are similar to human brain networks. These chips contain millions of neurons and synapses to augment self intelligence and are capable of manipulating data received through sensors.

Based on the end user, the automotive segment is anticipated to expand at a rapid pace during the forecast period owing to the rising popularity of high-end technologies like autonomous driving. By geography, North America is going to have high growth during the forecast period which can be attributed to the increasing investments into research activities which are associated with artificial intelligence.

Some of the key players profiled in the Neuromorphic Chip Market include IBM Corporation, Hewlett Packard Enterprise Development LP (HPE), Lockheed Martin Corporation, Samsung Electronics Co. Ltd, Intel Corporation, Qualcomm Technologies, Inc, SynSense AG, BrainChip Holdings Ltd, Nepes Corporation, Vicarious FPC Inc,

Gyr Falcon Technology Inc, General Vision, Hrl Laboratories, LLC, GrAI Matter Labs, and SK Hynix Inc.

Classes Covered:

Biology-Based Learning Models

Artificial Neural Networks

Offerings Covered:

Hardware

Software

Applications Covered:

Image Recognition

Visual Processing

Pattern Recognition

Signal Recognition

Data Mining

End Users Covered:

Consumer Electronics

Aerospace & Defense

Industrial

Automotive

Medical

Information Technology (IT) & Telecom

Financial Services and Cybersecurity

Smart Infrastructure & Education

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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