

# Global Neuromorphic AI Semiconductor Market Growth 2024-2030

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## Abstracts

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Neuromorphic computing is a branch of artificial intelligence (AI) that simulates the functionality of the human neuron. This report mainly studies Neuromorphic Chip market. A neuromorphic chip is an analog data processor inspired by the biological brain.

The global Neuromorphic AI Semiconductor market size is projected to grow from US\$ 29.8 million in 2024 to US\$ 307 million in 2030; it is expected to grow at a CAGR of 47.5% from 2024 to 2030.

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

This Insight Report provides a comprehensive analysis of the global Neuromorphic AI Semiconductor 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 Neuromorphic AI Semiconductor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Neuromorphic AI Semiconductor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Neuromorphic AI Semiconductor 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 Neuromorphic AI Semiconductor.

The core manufacturers of Neuromorphic AI Semiconductor in the world include Intel Corporation, IBM Corporation and Nepes. The top three companies hold about 76 percent of the market. North America is the world's largest market for Neuromorphic AI Semiconductor with a market share of about 44%, followed by Europe and Asia Pacific with a market share of 36% and 20%, respectively. In terms of product type, Data Mining is the largest segment with approximately 93% market share. In terms of application, Neuromorphic Computer is the largest downstream segment, accounting for about 68% of the market.

This report presents a comprehensive overview, market shares, and growth opportunities of Neuromorphic AI Semiconductor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Data Mining

Image Recognition & Signal Recognition

Segmentation by Application:

Neuromorphic Computer

Others

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.

Intel Corporation

IBM Corporation

Nepes

GrAI Matter Labs

BrainChip Holdings

SynSense AG

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Neuromorphic AI Semiconductor market?

What factors are driving Neuromorphic AI Semiconductor market growth, globally and by region?

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

How do Neuromorphic AI Semiconductor market opportunities vary by end market size?

How does Neuromorphic AI Semiconductor break out by Type, by Application?

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