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Global Brain-like Computing Chip Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Brain-like Computing Chip market size will reach 96.13 Million USD in 2025 and is projected to reach 7,375.89 Million USD by 2032, with a CAGR of 85.90% (2025-2032). Notably, the China Brain-like Computing Chip market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

A brain-like computing chip, also known as a neuromorphic chip or neuroprocessor, is a specialized type of computer chip designed to mimic certain aspects of the human brain's structure and functionality. Unlike traditional computer chips that rely on a von Neumann architecture, which separates processing and memory units, brain-like computing chips aim to emulate the parallel and distributed nature of neural networks. These chips typically incorporate a large number of interconnected artificial neurons or synapses, which can process and transmit information simultaneously. By simulating the behavior of neural networks, brain-like computing chips can perform tasks such as pattern recognition, sensory processing, and machine learning more efficiently and with lower power consumption compared to conventional computing architectures. They have the potential to advance fields such as artificial intelligence, robotics, and cognitive computing, enabling more brain-inspired and efficient computational capabilities. Ongoing research and development in brain-like computing chips aim to further enhance their performance and expand their applications in various domains.

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The major global suppliers of Brain-like Computing Chip include Intel Corporation, IBM Corporation, Eta Compute, nepes, GrAI Matter Labs, aiCTX, GyrFalcon, BrainChip Holdings, SynSense, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Brain-like Computing Chip. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global Brain-like Computing Chip market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Brain-like Computing Chip market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Brain-like Computing Chip industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Suppliers of Brain-like Computing Chip Include:

Intel Corporation

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IBM Corporation

Eta Compute

nepes

GrAI Matter Labs

aiCTX

GyrFalcon

BrainChip Holdings

SynSense

Brain-like Computing Chip Product Segment Include:

Data Mining

Image Identification and Signal Processing

Brain-like Computing Chip Product Application Include:

Brain-Like Computer

Other

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Brain-like Computing Chip Industry PESTEL Analysis

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Contents

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12 COMPETITION BY SUPPLIERS

13 KEY COMPANIES ANALYSIS

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List Of Tables

LIST OF TABLES

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Table 88: Brain-like Computing Chip Distributors List

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List Of Figures

LIST OF FIGURES

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