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Global Neural Processing Unit (NPU) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Neural Processing Unit (NPU) market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

A Field Programmable Logic Device (FPLD) is a programmable logic device that can be reconfigured to perform different logic functions. An FPLD typically consists of a programmable logic array (PLA) and programmable input/output (I/O) units. The PLA is a matrix of programmable logic gates that can be reconfigured to perform different logic functions. The I/O units are used to connect to other circuits and provide input and output functions. FPLDs are commonly used in digital circuit design, such as in embedded systems, to implement control logic, state machines, and data paths, among other functions.

This report is a detailed and comprehensive analysis for global Neural Processing Unit (NPU) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Neural Processing Unit (NPU) market size and forecasts, in consumption value

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($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2018-2029

Global Neural Processing Unit (NPU) market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2018-2029

Global Neural Processing Unit (NPU) market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2018-2029

Global Neural Processing Unit (NPU) market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Neural Processing Unit (NPU)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Neural Processing Unit (NPU) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NVIDIA, Intel, Qualcomm, Google and Huawei, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Neural Processing Unit (NPU) market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

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Market segment by Type

- Compute NPU
- Memory NPU
- Control NPU

Market segment by Application

- Consumer Electronics
- Automotive Industrial
- Automation Industrial
- Others

Major players covered

- NVIDIA
- Intel
- Qualcomm
- Google
- Huawei
- Apple
- Samsung
- Siemens

Microsoft

Arm

Hailo

Seeing Machines

OMNIVISION

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Neural Processing Unit (NPU) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Neural Processing Unit (NPU), with price, sales, revenue and global market share of Neural Processing Unit (NPU) from 2018 to 2023.

Chapter 3, the Neural Processing Unit (NPU) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Neural Processing Unit (NPU) breakdown data are shown at the regional

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level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Neural Processing Unit (NPU) market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Neural Processing Unit (NPU).

Chapter 14 and 15, to describe Neural Processing Unit (NPU) sales channel, distributors, customers, research findings and conclusion.

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