

Global Non-Volatile Dual In-Line Memory Module Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

NVDIMM (Non-Volatile Dual In-line Memory Module) is a new type of memory module that has both volatile DRAM and non-volatile NAND. In the event of a power failure or crash, a large-capacity capacitor can supply power to DRAM and transfer data Transfer to NAND and put it back on DRAM after recovery. NVDIMM usually integrates non-volatile NAND flash memory with DRAM, and integrates a dedicated backup power supply on a single memory subsystem. Dual in-line memory module (DIMM) is a type of random access memory (RAM) used in various computers.

NVDIMM uses a DIMM package, is compatible with standard DIMM slots, and communicates via a standard DDR bus. Considering its non-volatility and compatibility with traditional DRAM interfaces, it is also called Persistent Memory.

According to our (Global Info Research) latest study, the global Non-Volatile Dual In-Line Memory Module market size was valued at USD 105.7 million in 2022 and is forecast to a readjusted size of USD 215.5 million by 2029 with a CAGR of 10.7% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The main manufacturers in the current market include Viking Technology (Sanmina), SK Hynix, Micron Technology, Xi'an UniIC Semiconductors Co., Ltd., Netlist, AgigA Tech (Cypress), SMART Modular Technologies, etc. The share of Chinese manufacturers in the high-end product market will gradually increase.

North America is the world's main production area, occupying nearly 2/3 of the global market share.

According to different types, Non-Volatile Dual In-Line Memory Module (NVDIMM) can be mainly divided into 2 types: NVDIMM-F and NVDIMM-N, between which NVDIMM-N occupies about 3/4 of the market in 2020 and is still gradually developing.

The main applications of Non-Volatile Dual In-Line Memory Module (NVDIMMs) are high-end workstations, enterprise storage and servers and others. Among them, commercial storage and servers account for the largest proportion of the market, 72% in 2020 and still expanding.

This report is a detailed and comprehensive analysis for global Non-Volatile Dual In-Line Memory Module 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 Non-Volatile Dual In-Line Memory Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Non-Volatile Dual In-Line Memory Module 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 Non-Volatile Dual In-Line Memory Module 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 Non-Volatile Dual In-Line Memory Module 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 Non-Volatile Dual In-Line Memory Module

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 Non-Volatile Dual In-Line Memory Module 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 AgigA Tech, Inc, Netlist Inc, Viking Technology, Inc, Micron Technology, Inc and Samsung electronics, 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

Non-Volatile Dual In-Line Memory Module 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.

Market segment by Type

8GB

16GB

32GB and Above

Market segment by Application

Enterprise Storage & Server

High-End Workstations

Other

Major players covered

AgigA Tech, Inc

Netlist Inc

Viking Technology, Inc

Micron Technology, Inc

Samsung electronics

Toshiba

Fujitsu limited

Hewlett Packard Company

Smart Modular Technologies, Inc

Diablo Technologies, Inc

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 Non-Volatile Dual In-Line Memory Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Non-Volatile Dual In-Line Memory Module, with price, sales, revenue and global market share of Non-Volatile Dual In-Line Memory Module from 2018 to 2023.

Chapter 3, the Non-Volatile Dual In-Line Memory Module competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Non-Volatile Dual In-Line Memory Module breakdown data are shown at the regional 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 Non-Volatile Dual In-Line Memory Module 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 Non-Volatile Dual In-Line Memory Module.

Chapter 14 and 15, to describe Non-Volatile Dual In-Line Memory Module sales channel, distributors, customers, research findings and conclusion.

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