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Global DPU SmartNIC 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 DPU SmartNIC 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 DPU (Data Processing Unit) SmartNIC, also known as a SmartNIC-DPU or SmartNIC with integrated DPU, combines the capabilities of a SmartNIC with the computational power and functionality of a Data Processing Unit. It integrates networking features with advanced processing capabilities, enabling more efficient and intelligent data processing at the network edge.

This report is a detailed and comprehensive analysis for global DPU SmartNIC 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 DPU SmartNIC market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2018-2029

Global DPU SmartNIC market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit),

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2018-2029

Global DPU SmartNIC 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 DPU SmartNIC 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 DPU SmartNIC

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 DPU SmartNIC 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 Intel, Xilinx (AMD), NVIDIA, Silicom and Broadcom, 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

DPU SmartNIC 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

FPGA-based

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ASIC–based

MP-based

Market segment by Application

Data Communication

Telecom

Internet of Things

Others

Major players covered

Intel

Xilinx (AMD)

NVIDIA

Silicom

Broadcom

Napatech

Marvell

BittWare(Molex)

Ethernity

Magmio (Netcope)

Netronome

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Kalray

AWS (Amazon)

Cisco

Microsoft

Achronix

Ethernity Networks

Asterfusion Data Technologies

Fungible

Nebulamatrix

Corigine

Yusur

Jaguar Microsystems

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)

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

Chapter 1, to describe DPU SmartNIC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of DPU SmartNIC, with price, sales, revenue and global market share of DPU SmartNIC from 2018 to 2023.

Chapter 3, the DPU SmartNIC competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the DPU SmartNIC 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 DPU SmartNIC 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 DPU SmartNIC.

Chapter 14 and 15, to describe DPU SmartNIC sales channel, distributors, customers, research findings and conclusion.

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Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of DPU SmartNIC
1.2 Market Estimation Caveats and Base Year
1.3 Market Analysis by Type
  1.3.1 Overview: Global DPU SmartNIC Consumption Value by Type: 2018 Versus 2022 Versus 2029
  1.3.2 FPGA-based
  1.3.3 ASIC–based
  1.3.4 MP-based
1.4 Market Analysis by Application
  1.4.1 Overview: Global DPU SmartNIC Consumption Value by Application: 2018 Versus 2022 Versus 2029
  1.4.2 Data Communication
  1.4.3 Telecom
  1.4.4 Internet of Things
  1.4.5 Others
1.5 Global DPU SmartNIC Market Size & Forecast
  1.5.1 Global DPU SmartNIC Consumption Value (2018 & 2022 & 2029)
  1.5.2 Global DPU SmartNIC Sales Quantity (2018-2029)
  1.5.3 Global DPU SmartNIC Average Price (2018-2029)

2 MANUFACTURERS PROFILES

2.1 Intel
  2.1.1 Intel Details
  2.1.2 Intel Major Business
  2.1.3 Intel DPU SmartNIC Product and Services
  2.1.4 Intel DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  2.1.5 Intel Recent Developments/Updates
2.2 Xilinx (AMD)
  2.2.1 Xilinx (AMD) Details
  2.2.2 Xilinx (AMD) Major Business
  2.2.3 Xilinx (AMD) DPU SmartNIC Product and Services
  2.2.4 Xilinx (AMD) DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

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2.2.5 Xilinx (AMD) Recent Developments/Updates
2.3 NVIDIA
2.3.1 NVIDIA Details
2.3.2 NVIDIA Major Business
2.3.3 NVIDIA DPU SmartNIC Product and Services
2.3.4 NVIDIA DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.3.5 NVIDIA Recent Developments/Updates
2.4 Silicom
2.4.1 Silicom Details
2.4.2 Silicom Major Business
2.4.3 Silicom DPU SmartNIC Product and Services
2.4.4 Silicom DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.4.5 Silicom Recent Developments/Updates
2.5 Broadcom
2.5.1 Broadcom Details
2.5.2 Broadcom Major Business
2.5.3 Broadcom DPU SmartNIC Product and Services
2.5.4 Broadcom DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.5.5 Broadcom Recent Developments/Updates
2.6 Napatech
2.6.1 Napatech Details
2.6.2 Napatech Major Business
2.6.3 Napatech DPU SmartNIC Product and Services
2.6.4 Napatech DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.6.5 Napatech Recent Developments/Updates
2.7 Marvell
2.7.1 Marvell Details
2.7.2 Marvell Major Business
2.7.3 Marvell DPU SmartNIC Product and Services
2.7.4 Marvell DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.7.5 Marvell Recent Developments/Updates
2.8 BittWare(Molex)
2.8.1 BittWare(Molex) Details
2.8.2 BittWare(Molex) Major Business

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2.8.3 BittWare(Molex) DPU SmartNIC Product and Services
2.8.4 BittWare(Molex) DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.8.5 BittWare(Molex) Recent Developments/Updates
2.9 Ethernity
2.9.1 Ethernity Details
2.9.2 Ethernity Major Business
2.9.3 Ethernity DPU SmartNIC Product and Services
2.9.4 Ethernity DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.9.5 Ethernity Recent Developments/Updates
2.10 Magmio (Netcope)
2.10.1 Magmio (Netcope) Details
2.10.2 Magmio (Netcope) Major Business
2.10.3 Magmio (Netcope) DPU SmartNIC Product and Services
2.10.4 Magmio (Netcope) DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.10.5 Magmio (Netcope) Recent Developments/Updates
2.11 Netronome
2.11.1 Netronome Details
2.11.2 Netronome Major Business
2.11.3 Netronome DPU SmartNIC Product and Services
2.11.4 Netronome DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.11.5 Netronome Recent Developments/Updates
2.12 Kalray
2.12.1 Kalray Details
2.12.2 Kalray Major Business
2.12.3 Kalray DPU SmartNIC Product and Services
2.12.4 Kalray DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.12.5 Kalray Recent Developments/Updates
2.13 AWS (Amazon)
2.13.1 AWS (Amazon) Details
2.13.2 AWS (Amazon) Major Business
2.13.3 AWS (Amazon) DPU SmartNIC Product and Services
2.13.4 AWS (Amazon) DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.13.5 AWS (Amazon) Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

2.14 Cisco
2.14.1 Cisco Details
2.14.2 Cisco Major Business
2.14.3 Cisco DPU SmartNIC Product and Services
2.14.4 Cisco DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.14.5 Cisco Recent Developments/Updates
2.15 Microsoft
2.15.1 Microsoft Details
2.15.2 Microsoft Major Business
2.15.3 Microsoft DPU SmartNIC Product and Services
2.15.4 Microsoft DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.15.5 Microsoft Recent Developments/Updates
2.16 Achronix
2.16.1 Achronix Details
2.16.2 Achronix Major Business
2.16.3 Achronix DPU SmartNIC Product and Services
2.16.4 Achronix DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.16.5 Achronix Recent Developments/Updates
2.17 Ethernity Networks
2.17.1 Ethernity Networks Details
2.17.2 Ethernity Networks Major Business
2.17.3 Ethernity Networks DPU SmartNIC Product and Services
2.17.4 Ethernity Networks DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.17.5 Ethernity Networks Recent Developments/Updates
2.18 Asterfusion Data Technologies
2.18.1 Asterfusion Data Technologies Details
2.18.2 Asterfusion Data Technologies Major Business
2.18.3 Asterfusion Data Technologies DPU SmartNIC Product and Services
2.18.4 Asterfusion Data Technologies DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.18.5 Asterfusion Data Technologies Recent Developments/Updates
2.19 Fungible
2.19.1 Fungible Details
2.19.2 Fungible Major Business
2.19.3 Fungible DPU SmartNIC Product and Services

+357 96 030922
info@marketpublishers.com

2.19.4 Fungible DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.19.5 Fungible Recent Developments/Updates
2.20 Nebulamatrix
2.20.1 Nebulamatrix Details
2.20.2 Nebulamatrix Major Business
2.20.3 Nebulamatrix DPU SmartNIC Product and Services
2.20.4 Nebulamatrix DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.20.5 Nebulamatrix Recent Developments/Updates
2.21 Corigine
2.21.1 Corigine Details
2.21.2 Corigine Major Business
2.21.3 Corigine DPU SmartNIC Product and Services
2.21.4 Corigine DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.21.5 Corigine Recent Developments/Updates
2.22 Yusur
2.22.1 Yusur Details
2.22.2 Yusur Major Business
2.22.3 Yusur DPU SmartNIC Product and Services
2.22.4 Yusur DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.22.5 Yusur Recent Developments/Updates
2.23 Jaguar Microsystems
2.23.1 Jaguar Microsystems Details
2.23.2 Jaguar Microsystems Major Business
2.23.3 Jaguar Microsystems DPU SmartNIC Product and Services
2.23.4 Jaguar Microsystems DPU SmartNIC Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
2.23.5 Jaguar Microsystems Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: DPU SMARTNIC BY MANUFACTURER

3.1 Global DPU SmartNIC Sales Quantity by Manufacturer (2018-2023)
3.2 Global DPU SmartNIC Revenue by Manufacturer (2018-2023)
3.3 Global DPU SmartNIC Average Price by Manufacturer (2018-2023)
3.4 Market Share Analysis (2022)
3.4.1 Producer Shipments of DPU SmartNIC by Manufacturer Revenue ($MM) and

+357 96 030922
info@marketpublishers.com

Market Share (%): 2022
3.4.2 Top 3 DPU SmartNIC Manufacturer Market Share in 2022
3.4.2 Top 6 DPU SmartNIC Manufacturer Market Share in 2022
3.5 DPU SmartNIC Market: Overall Company Footprint Analysis
3.5.1 DPU SmartNIC Market: Region Footprint
3.5.2 DPU SmartNIC Market: Company Product Type Footprint
3.5.3 DPU SmartNIC Market: Company Product Application Footprint
3.6 New Market Entrants and Barriers to Market Entry
3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global DPU SmartNIC Market Size by Region
4.1.1 Global DPU SmartNIC Sales Quantity by Region (2018-2029)
4.1.2 Global DPU SmartNIC Consumption Value by Region (2018-2029)
4.1.3 Global DPU SmartNIC Average Price by Region (2018-2029)
4.2 North America DPU SmartNIC Consumption Value (2018-2029)
4.3 Europe DPU SmartNIC Consumption Value (2018-2029)
4.4 Asia-Pacific DPU SmartNIC Consumption Value (2018-2029)
4.5 South America DPU SmartNIC Consumption Value (2018-2029)
4.6 Middle East and Africa DPU SmartNIC Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

5.1 Global DPU SmartNIC Sales Quantity by Type (2018-2029)
5.2 Global DPU SmartNIC Consumption Value by Type (2018-2029)
5.3 Global DPU SmartNIC Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

6.1 Global DPU SmartNIC Sales Quantity by Application (2018-2029)
6.2 Global DPU SmartNIC Consumption Value by Application (2018-2029)
6.3 Global DPU SmartNIC Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America DPU SmartNIC Sales Quantity by Type (2018-2029)
7.2 North America DPU SmartNIC Sales Quantity by Application (2018-2029)
7.3 North America DPU SmartNIC Market Size by Country

+357 96 030922
info@marketpublishers.com

7.3.1 North America DPU SmartNIC Sales Quantity by Country (2018-2029)
7.3.2 North America DPU SmartNIC Consumption Value by Country (2018-2029)
7.3.3 United States Market Size and Forecast (2018-2029)
7.3.4 Canada Market Size and Forecast (2018-2029)
7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe DPU SmartNIC Sales Quantity by Type (2018-2029)
8.2 Europe DPU SmartNIC Sales Quantity by Application (2018-2029)
8.3 Europe DPU SmartNIC Market Size by Country
8.3.1 Europe DPU SmartNIC Sales Quantity by Country (2018-2029)
8.3.2 Europe DPU SmartNIC Consumption Value by Country (2018-2029)
8.3.3 Germany Market Size and Forecast (2018-2029)
8.3.4 France Market Size and Forecast (2018-2029)
8.3.5 United Kingdom Market Size and Forecast (2018-2029)
8.3.6 Russia Market Size and Forecast (2018-2029)
8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific DPU SmartNIC Sales Quantity by Type (2018-2029)
9.2 Asia-Pacific DPU SmartNIC Sales Quantity by Application (2018-2029)
9.3 Asia-Pacific DPU SmartNIC Market Size by Region
9.3.1 Asia-Pacific DPU SmartNIC Sales Quantity by Region (2018-2029)
9.3.2 Asia-Pacific DPU SmartNIC Consumption Value by Region (2018-2029)
9.3.3 China Market Size and Forecast (2018-2029)
9.3.4 Japan Market Size and Forecast (2018-2029)
9.3.5 Korea Market Size and Forecast (2018-2029)
9.3.6 India Market Size and Forecast (2018-2029)
9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America DPU SmartNIC Sales Quantity by Type (2018-2029)
10.2 South America DPU SmartNIC Sales Quantity by Application (2018-2029)
10.3 South America DPU SmartNIC Market Size by Country
10.3.1 South America DPU SmartNIC Sales Quantity by Country (2018-2029)

+357 96 030922
info@marketpublishers.com

10.3.2 South America DPU SmartNIC Consumption Value by Country (2018-2029)
10.3.3 Brazil Market Size and Forecast (2018-2029)
10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa DPU SmartNIC Sales Quantity by Type (2018-2029)
11.2 Middle East & Africa DPU SmartNIC Sales Quantity by Application (2018-2029)
11.3 Middle East & Africa DPU SmartNIC Market Size by Country
11.3.1 Middle East & Africa DPU SmartNIC Sales Quantity by Country (2018-2029)
11.3.2 Middle East & Africa DPU SmartNIC Consumption Value by Country (2018-2029)
11.3.3 Turkey Market Size and Forecast (2018-2029)
11.3.4 Egypt Market Size and Forecast (2018-2029)
11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 DPU SmartNIC Market Drivers
12.2 DPU SmartNIC Market Restraints
12.3 DPU SmartNIC Trends Analysis
12.4 Porters Five Forces Analysis
12.4.1 Threat of New Entrants
12.4.2 Bargaining Power of Suppliers
12.4.3 Bargaining Power of Buyers
12.4.4 Threat of Substitutes
12.4.5 Competitive Rivalry
12.5 Influence of COVID-19 and Russia-Ukraine War
12.5.1 Influence of COVID-19
12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of DPU SmartNIC and Key Manufacturers
13.2 Manufacturing Costs Percentage of DPU SmartNIC
13.3 DPU SmartNIC Production Process
13.4 DPU SmartNIC Industrial Chain

+357 96 030922
info@marketpublishers.com

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel
  14.1.1 Direct to End-User
  14.1.2 Distributors
14.2 DPU SmartNIC Typical Distributors
14.3 DPU SmartNIC Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology
16.2 Research Process and Data Source
16.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Global DPU SmartNIC Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
Table 2. Global DPU SmartNIC Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
Table 3. Intel Basic Information, Manufacturing Base and Competitors
Table 4. Intel Major Business
Table 5. Intel DPU SmartNIC Product and Services
Table 6. Intel DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 7. Intel Recent Developments/Updates
Table 8. Xilinx (AMD) Basic Information, Manufacturing Base and Competitors
Table 9. Xilinx (AMD) Major Business
Table 10. Xilinx (AMD) DPU SmartNIC Product and Services
Table 11. Xilinx (AMD) DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 12. Xilinx (AMD) Recent Developments/Updates
Table 13. NVIDIA Basic Information, Manufacturing Base and Competitors
Table 14. NVIDIA Major Business
Table 15. NVIDIA DPU SmartNIC Product and Services
Table 16. NVIDIA DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 17. NVIDIA Recent Developments/Updates
Table 18. Silicom Basic Information, Manufacturing Base and Competitors
Table 19. Silicom Major Business
Table 20. Silicom DPU SmartNIC Product and Services
Table 21. Silicom DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 22. Silicom Recent Developments/Updates
Table 23. Broadcom Basic Information, Manufacturing Base and Competitors
Table 24. Broadcom Major Business
Table 25. Broadcom DPU SmartNIC Product and Services
Table 26. Broadcom DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 27. Broadcom Recent Developments/Updates
Table 28. Napatech Basic Information, Manufacturing Base and Competitors

+357 96 030922
info@marketpublishers.com

Table 29. Napatech Major Business
Table 30. Napatech DPU SmartNIC Product and Services
Table 31. Napatech DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 32. Napatech Recent Developments/Updates
Table 33. Marvell Basic Information, Manufacturing Base and Competitors
Table 34. Marvell Major Business
Table 35. Marvell DPU SmartNIC Product and Services
Table 36. Marvell DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 37. Marvell Recent Developments/Updates
Table 38. BittWare(Molex) Basic Information, Manufacturing Base and Competitors
Table 39. BittWare(Molex) Major Business
Table 40. BittWare(Molex) DPU SmartNIC Product and Services
Table 41. BittWare(Molex) DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 42. BittWare(Molex) Recent Developments/Updates
Table 43. Ethernity Basic Information, Manufacturing Base and Competitors
Table 44. Ethernity Major Business
Table 45. Ethernity DPU SmartNIC Product and Services
Table 46. Ethernity DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 47. Ethernity Recent Developments/Updates
Table 48. Magmio (Netcope) Basic Information, Manufacturing Base and Competitors
Table 49. Magmio (Netcope) Major Business
Table 50. Magmio (Netcope) DPU SmartNIC Product and Services
Table 51. Magmio (Netcope) DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 52. Magmio (Netcope) Recent Developments/Updates
Table 53. Netronome Basic Information, Manufacturing Base and Competitors
Table 54. Netronome Major Business
Table 55. Netronome DPU SmartNIC Product and Services
Table 56. Netronome DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 57. Netronome Recent Developments/Updates
Table 58. Kalray Basic Information, Manufacturing Base and Competitors
Table 59. Kalray Major Business
Table 60. Kalray DPU SmartNIC Product and Services
Table 61. Kalray DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit),

+357 96 030922
info@marketpublishers.com

Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 62. Kalray Recent Developments/Updates
Table 63. AWS (Amazon) Basic Information, Manufacturing Base and Competitors
Table 64. AWS (Amazon) Major Business
Table 65. AWS (Amazon) DPU SmartNIC Product and Services
Table 66. AWS (Amazon) DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 67. AWS (Amazon) Recent Developments/Updates
Table 68. Cisco Basic Information, Manufacturing Base and Competitors
Table 69. Cisco Major Business
Table 70. Cisco DPU SmartNIC Product and Services
Table 71. Cisco DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 72. Cisco Recent Developments/Updates
Table 73. Microsoft Basic Information, Manufacturing Base and Competitors
Table 74. Microsoft Major Business
Table 75. Microsoft DPU SmartNIC Product and Services
Table 76. Microsoft DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 77. Microsoft Recent Developments/Updates
Table 78. Achronix Basic Information, Manufacturing Base and Competitors
Table 79. Achronix Major Business
Table 80. Achronix DPU SmartNIC Product and Services
Table 81. Achronix DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 82. Achronix Recent Developments/Updates
Table 83. Ethernity Networks Basic Information, Manufacturing Base and Competitors
Table 84. Ethernity Networks Major Business
Table 85. Ethernity Networks DPU SmartNIC Product and Services
Table 86. Ethernity Networks DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 87. Ethernity Networks Recent Developments/Updates
Table 88. Asterfusion Data Technologies Basic Information, Manufacturing Base and Competitors
Table 89. Asterfusion Data Technologies Major Business
Table 90. Asterfusion Data Technologies DPU SmartNIC Product and Services
Table 91. Asterfusion Data Technologies DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

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Table 92. Asterfusion Data Technologies Recent Developments/Updates
Table 93. Fungible Basic Information, Manufacturing Base and Competitors
Table 94. Fungible Major Business
Table 95. Fungible DPU SmartNIC Product and Services
Table 96. Fungible DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 97. Fungible Recent Developments/Updates
Table 98. Nebulamatrix Basic Information, Manufacturing Base and Competitors
Table 99. Nebulamatrix Major Business
Table 100. Nebulamatrix DPU SmartNIC Product and Services
Table 101. Nebulamatrix DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 102. Nebulamatrix Recent Developments/Updates
Table 103. Corigine Basic Information, Manufacturing Base and Competitors
Table 104. Corigine Major Business
Table 105. Corigine DPU SmartNIC Product and Services
Table 106. Corigine DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 107. Corigine Recent Developments/Updates
Table 108. Yusur Basic Information, Manufacturing Base and Competitors
Table 109. Yusur Major Business
Table 110. Yusur DPU SmartNIC Product and Services
Table 111. Yusur DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 112. Yusur Recent Developments/Updates
Table 113. Jaguar Microsystems Basic Information, Manufacturing Base and Competitors
Table 114. Jaguar Microsystems Major Business
Table 115. Jaguar Microsystems DPU SmartNIC Product and Services
Table 116. Jaguar Microsystems DPU SmartNIC Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 117. Jaguar Microsystems Recent Developments/Updates
Table 118. Global DPU SmartNIC Sales Quantity by Manufacturer (2018-2023) & (K Units)
Table 119. Global DPU SmartNIC Revenue by Manufacturer (2018-2023) & (USD Million)
Table 120. Global DPU SmartNIC Average Price by Manufacturer (2018-2023) & (US$/Unit)
Table 121. Market Position of Manufacturers in DPU SmartNIC, (Tier 1, Tier 2, and Tier

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3), Based on Consumption Value in 2022
Table 122. Head Office and DPU SmartNIC Production Site of Key Manufacturer
Table 123. DPU SmartNIC Market: Company Product Type Footprint
Table 124. DPU SmartNIC Market: Company Product Application Footprint
Table 125. DPU SmartNIC New Market Entrants and Barriers to Market Entry
Table 126. DPU SmartNIC Mergers, Acquisition, Agreements, and Collaborations
Table 127. Global DPU SmartNIC Sales Quantity by Region (2018-2023) & (K Units)
Table 128. Global DPU SmartNIC Sales Quantity by Region (2024-2029) & (K Units)
Table 129. Global DPU SmartNIC Consumption Value by Region (2018-2023) & (USD Million)
Table 130. Global DPU SmartNIC Consumption Value by Region (2024-2029) & (USD Million)
Table 131. Global DPU SmartNIC Average Price by Region (2018-2023) & (US$/Unit)
Table 132. Global DPU SmartNIC Average Price by Region (2024-2029) & (US$/Unit)
Table 133. Global DPU SmartNIC Sales Quantity by Type (2018-2023) & (K Units)
Table 134. Global DPU SmartNIC Sales Quantity by Type (2024-2029) & (K Units)
Table 135. Global DPU SmartNIC Consumption Value by Type (2018-2023) & (USD Million)
Table 136. Global DPU SmartNIC Consumption Value by Type (2024-2029) & (USD Million)
Table 137. Global DPU SmartNIC Average Price by Type (2018-2023) & (US$/Unit)
Table 138. Global DPU SmartNIC Average Price by Type (2024-2029) & (US$/Unit)
Table 139. Global DPU SmartNIC Sales Quantity by Application (2018-2023) & (K Units)
Table 140. Global DPU SmartNIC Sales Quantity by Application (2024-2029) & (K Units)
Table 141. Global DPU SmartNIC Consumption Value by Application (2018-2023) & (USD Million)
Table 142. Global DPU SmartNIC Consumption Value by Application (2024-2029) & (USD Million)
Table 143. Global DPU SmartNIC Average Price by Application (2018-2023) & (US$/Unit)
Table 144. Global DPU SmartNIC Average Price by Application (2024-2029) & (US$/Unit)
Table 145. North America DPU SmartNIC Sales Quantity by Type (2018-2023) & (K Units)
Table 146. North America DPU SmartNIC Sales Quantity by Type (2024-2029) & (K Units)
Table 147. North America DPU SmartNIC Sales Quantity by Application (2018-2023) &

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(K Units)
Table 148. North America DPU SmartNIC Sales Quantity by Application (2024-2029) & (K Units)
Table 149. North America DPU SmartNIC Sales Quantity by Country (2018-2023) & (K Units)
Table 150. North America DPU SmartNIC Sales Quantity by Country (2024-2029) & (K Units)
Table 151. North America DPU SmartNIC Consumption Value by Country (2018-2023) & (USD Million)
Table 152. North America DPU SmartNIC Consumption Value by Country (2024-2029) & (USD Million)
Table 153. Europe DPU SmartNIC Sales Quantity by Type (2018-2023) & (K Units)
Table 154. Europe DPU SmartNIC Sales Quantity by Type (2024-2029) & (K Units)
Table 155. Europe DPU SmartNIC Sales Quantity by Application (2018-2023) & (K Units)
Table 156. Europe DPU SmartNIC Sales Quantity by Application (2024-2029) & (K Units)
Table 157. Europe DPU SmartNIC Sales Quantity by Country (2018-2023) & (K Units)
Table 158. Europe DPU SmartNIC Sales Quantity by Country (2024-2029) & (K Units)
Table 159. Europe DPU SmartNIC Consumption Value by Country (2018-2023) & (USD Million)
Table 160. Europe DPU SmartNIC Consumption Value by Country (2024-2029) & (USD Million)
Table 161. Asia-Pacific DPU SmartNIC Sales Quantity by Type (2018-2023) & (K Units)
Table 162. Asia-Pacific DPU SmartNIC Sales Quantity by Type (2024-2029) & (K Units)
Table 163. Asia-Pacific DPU SmartNIC Sales Quantity by Application (2018-2023) & (K Units)
Table 164. Asia-Pacific DPU SmartNIC Sales Quantity by Application (2024-2029) & (K Units)
Table 165. Asia-Pacific DPU SmartNIC Sales Quantity by Region (2018-2023) & (K Units)
Table 166. Asia-Pacific DPU SmartNIC Sales Quantity by Region (2024-2029) & (K Units)
Table 167. Asia-Pacific DPU SmartNIC Consumption Value by Region (2018-2023) & (USD Million)
Table 168. Asia-Pacific DPU SmartNIC Consumption Value by Region (2024-2029) & (USD Million)
Table 169. South America DPU SmartNIC Sales Quantity by Type (2018-2023) & (K Units)

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Table 170. South America DPU SmartNIC Sales Quantity by Type (2024-2029) & (K Units)
Table 171. South America DPU SmartNIC Sales Quantity by Application (2018-2023) & (K Units)
Table 172. South America DPU SmartNIC Sales Quantity by Application (2024-2029) & (K Units)
Table 173. South America DPU SmartNIC Sales Quantity by Country (2018-2023) & (K Units)
Table 174. South America DPU SmartNIC Sales Quantity by Country (2024-2029) & (K Units)
Table 175. South America DPU SmartNIC Consumption Value by Country (2018-2023) & (USD Million)
Table 176. South America DPU SmartNIC Consumption Value by Country (2024-2029) & (USD Million)
Table 177. Middle East & Africa DPU SmartNIC Sales Quantity by Type (2018-2023) & (K Units)
Table 178. Middle East & Africa DPU SmartNIC Sales Quantity by Type (2024-2029) & (K Units)
Table 179. Middle East & Africa DPU SmartNIC Sales Quantity by Application (2018-2023) & (K Units)
Table 180. Middle East & Africa DPU SmartNIC Sales Quantity by Application (2024-2029) & (K Units)
Table 181. Middle East & Africa DPU SmartNIC Sales Quantity by Region (2018-2023) & (K Units)
Table 182. Middle East & Africa DPU SmartNIC Sales Quantity by Region (2024-2029) & (K Units)
Table 183. Middle East & Africa DPU SmartNIC Consumption Value by Region (2018-2023) & (USD Million)
Table 184. Middle East & Africa DPU SmartNIC Consumption Value by Region (2024-2029) & (USD Million)
Table 185. DPU SmartNIC Raw Material
Table 186. Key Manufacturers of DPU SmartNIC Raw Materials
Table 187. DPU SmartNIC Typical Distributors
Table 188. DPU SmartNIC Typical Customers

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List Of Figures

LIST OF FIGURES

Figure 1. DPU SmartNIC Picture
Figure 2. Global DPU SmartNIC Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
Figure 3. Global DPU SmartNIC Consumption Value Market Share by Type in 2022
Figure 4. FPGA-based Examples
Figure 5. ASIC–based Examples
Figure 6. MP-based Examples
Figure 7. Global DPU SmartNIC Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
Figure 8. Global DPU SmartNIC Consumption Value Market Share by Application in 2022
Figure 9. Data Communication Examples
Figure 10. Telecom Examples
Figure 11. Internet of Things Examples
Figure 12. Others Examples
Figure 13. Global DPU SmartNIC Consumption Value, (USD Million): 2018 & 2022 & 2029
Figure 14. Global DPU SmartNIC Consumption Value and Forecast (2018-2029) & (USD Million)
Figure 15. Global DPU SmartNIC Sales Quantity (2018-2029) & (K Units)
Figure 16. Global DPU SmartNIC Average Price (2018-2029) & (US$/Unit)
Figure 17. Global DPU SmartNIC Sales Quantity Market Share by Manufacturer in 2022
Figure 18. Global DPU SmartNIC Consumption Value Market Share by Manufacturer in 2022
Figure 19. Producer Shipments of DPU SmartNIC by Manufacturer Sales Quantity ($MM) and Market Share (%): 2021
Figure 20. Top 3 DPU SmartNIC Manufacturer (Consumption Value) Market Share in 2022
Figure 21. Top 6 DPU SmartNIC Manufacturer (Consumption Value) Market Share in 2022
Figure 22. Global DPU SmartNIC Sales Quantity Market Share by Region (2018-2029)
Figure 23. Global DPU SmartNIC Consumption Value Market Share by Region (2018-2029)
Figure 24. North America DPU SmartNIC Consumption Value (2018-2029) & (USD Million)

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Figure 25. Europe DPU SmartNIC Consumption Value (2018-2029) & (USD Million)
Figure 26. Asia-Pacific DPU SmartNIC Consumption Value (2018-2029) & (USD Million)
Figure 27. South America DPU SmartNIC Consumption Value (2018-2029) & (USD Million)
Figure 28. Middle East & Africa DPU SmartNIC Consumption Value (2018-2029) & (USD Million)
Figure 29. Global DPU SmartNIC Sales Quantity Market Share by Type (2018-2029)
Figure 30. Global DPU SmartNIC Consumption Value Market Share by Type (2018-2029)
Figure 31. Global DPU SmartNIC Average Price by Type (2018-2029) & (US$/Unit)
Figure 32. Global DPU SmartNIC Sales Quantity Market Share by Application (2018-2029)
Figure 33. Global DPU SmartNIC Consumption Value Market Share by Application (2018-2029)
Figure 34. Global DPU SmartNIC Average Price by Application (2018-2029) & (US$/Unit)
Figure 35. North America DPU SmartNIC Sales Quantity Market Share by Type (2018-2029)
Figure 36. North America DPU SmartNIC Sales Quantity Market Share by Application (2018-2029)
Figure 37. North America DPU SmartNIC Sales Quantity Market Share by Country (2018-2029)
Figure 38. North America DPU SmartNIC Consumption Value Market Share by Country (2018-2029)
Figure 39. United States DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 40. Canada DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 41. Mexico DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 42. Europe DPU SmartNIC Sales Quantity Market Share by Type (2018-2029)
Figure 43. Europe DPU SmartNIC Sales Quantity Market Share by Application (2018-2029)
Figure 44. Europe DPU SmartNIC Sales Quantity Market Share by Country (2018-2029)
Figure 45. Europe DPU SmartNIC Consumption Value Market Share by Country (2018-2029)
Figure 46. Germany DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 47. France DPU SmartNIC Consumption Value and Growth Rate (2018-2029) &

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(USD Million)
Figure 48. United Kingdom DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 49. Russia DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 50. Italy DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 51. Asia-Pacific DPU SmartNIC Sales Quantity Market Share by Type (2018-2029)
Figure 52. Asia-Pacific DPU SmartNIC Sales Quantity Market Share by Application (2018-2029)
Figure 53. Asia-Pacific DPU SmartNIC Sales Quantity Market Share by Region (2018-2029)
Figure 54. Asia-Pacific DPU SmartNIC Consumption Value Market Share by Region (2018-2029)
Figure 55. China DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 56. Japan DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 57. Korea DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 58. India DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 59. Southeast Asia DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 60. Australia DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 61. South America DPU SmartNIC Sales Quantity Market Share by Type (2018-2029)
Figure 62. South America DPU SmartNIC Sales Quantity Market Share by Application (2018-2029)
Figure 63. South America DPU SmartNIC Sales Quantity Market Share by Country (2018-2029)
Figure 64. South America DPU SmartNIC Consumption Value Market Share by Country (2018-2029)
Figure 65. Brazil DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 66. Argentina DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)

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Figure 67. Middle East & Africa DPU SmartNIC Sales Quantity Market Share by Type (2018-2029)
Figure 68. Middle East & Africa DPU SmartNIC Sales Quantity Market Share by Application (2018-2029)
Figure 69. Middle East & Africa DPU SmartNIC Sales Quantity Market Share by Region (2018-2029)
Figure 70. Middle East & Africa DPU SmartNIC Consumption Value Market Share by Region (2018-2029)
Figure 71. Turkey DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 72. Egypt DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 73. Saudi Arabia DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 74. South Africa DPU SmartNIC Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 75. DPU SmartNIC Market Drivers
Figure 76. DPU SmartNIC Market Restraints
Figure 77. DPU SmartNIC Market Trends
Figure 78. Porters Five Forces Analysis
Figure 79. Manufacturing Cost Structure Analysis of DPU SmartNIC in 2022
Figure 80. Manufacturing Process Analysis of DPU SmartNIC
Figure 81. DPU SmartNIC Industrial Chain
Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors
Figure 83. Direct Channel Pros & Cons
Figure 84. Indirect Channel Pros & Cons
Figure 85. Methodology
Figure 86. Research Process and Data Source

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