

2026-2031 Global Smart NIC Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

<https://marketpublishers.com/r/S3FB8D79CC43EN.html>

Date: August 2026

Pages: 135

Price: US\$ 3,150.00 (Single User License)

ID: S3FB8D79CC43EN

Abstracts

HNY Research projects that the Smart NIC market size will grow from 807.36 Million USD in 2025 to 2022.72 Million USD by 2031, at an estimated CAGR of 16.54%. The base year considered for the study is 2025, and the market size is projected from 2026 to 2031.

For 2025 regional market size, the North America market size was 169.22 Million USD, the Europe market size was 130.71 Million USD, and the Asia market size was 154.93 Million USD.

This report presents a detailed and holistic analysis of the global Smart NIC market. It integrates quantitative data with qualitative insights to equip readers with the necessary information for strategic planning, competitive assessment, market positioning, and data-driven decision-making.

All market sizes, estimates, and forecasts are expressed in terms of output/shipments and revenue. With 2025 serving as the base year, the report provides historical context from 2020. and projections up to 2031. It includes a complete segmentation of the global market, along with regional market sizes analyzed by type, application, and key industry participants.

Further enriching the analysis, the report outlines the competitive environment, offering profiles of prominent players and their market standings. It also explores key technological advancements and recent developments in product offerings. Ultimately, this report serves as a vital resource for Smart NIC manufacturers, prospective entrants, and other stakeholders within the industry value chain. It supplies

comprehensive data on revenues, production, and average pricing for the overall market and its sub-segments, detailed by company, product type, application, and geographic region.

By Market Players:

Marvell Technology Group

AMD

NVIDIA

Intel

Napatech

Netronome

By Type

FPGA-based

Others

By Application

Data Center

Telecom

Others

By Regions/Countries:

North America

East Asia

Europe

South Asia

Southeast Asia

Middle East

Africa

Oceania

South America

Points Covered in The Report

The points that are discussed within the report are the major market players that are involved in the market such as market players, raw material suppliers, equipment suppliers, end users, traders, distributors and etc.

The complete profile of the companies is mentioned. And the capacity,

production, price, revenue, cost, gross, gross margin, sales volume, sales revenue, consumption, growth rate, import, export, supply, future strategies, and the technological developments that they are making are also included within the report. This report analyzed 12 years data history and forecast.

The growth factors of the market is discussed in detail wherein the different end users of the market are explained in detail.

Data and information by market player, by region, by type, by application and etc, and custom research can be added according to specific requirements.

The report contains the SWOT analysis of the market. Finally, the report contains the conclusion part where the opinions of the industrial experts are included.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements.

Contents

1 REPORT OVERVIEW

- 1.1 Study Scope
- 1.2 Key Market Segments
- 1.3 Global Market Size by Player 2020-2025
- 1.4 Global Market Size by Type in 2026-2031
 - 1.4.1 Global Market Size by Type in 2026-2031
 - 1.4.2 FPGA-based
 - 1.4.3 Others
- 1.5 Global Market Size by Application in 2026-2031
 - 1.5.1 Global Market Size by Application in 2026-2031
 - 1.5.2 Data Center
 - 1.5.3 Telecom
 - 1.5.4 Others
- 1.6 Global Market Size by Region 2026-2031
 - 1.6.1 Global Market Size Outlook 2026-2031
 - 1.6.2 North America
 - 1.6.3 East Asia
 - 1.6.4 Europe
 - 1.6.5 South Asia
 - 1.6.6 Southeast Asia
 - 1.6.7 Middle East
 - 1.6.8 Africa
 - 1.6.9 Oceania
 - 1.6.10 South America
 - 1.6.11 Rest of the World

2 MANUFACTURING COST STRUCTURE ANALYSIS 2026

- 2.1 Manufacturing Cost Structure Analysis of Smart NIC 2026
- 2.2 Industry Chain Structure Analysis of Smart NIC 2026

3 MARKET COMPETITION ANALYSIS BY PLAYERS 2020-2025

- 3.1 Global Smart NIC Production Capacity by Players 2020-2025
- 3.2 Global Smart NIC Production Revenue by Players 2020-2025
- 3.3 Global Smart NIC Ex-Factory Price by Players 2020-2025

4 MARKET COMPETITION ANALYSIS BY REGION 2020-2025

4.1 Global Smart NIC Production by Region 2020-2025

4.1.1 Global Smart NIC Production Volume by Region 2020-2025

4.1.2 Global Smart NIC Production Revenue by Region 2020-2025

4.2 Global Smart NIC Consumption Volume by Region 2020-2025

4.3 North America Smart NIC Market Competition Analysis 2020-2025

4.3.1 North America Smart NIC Production Volume Analysis 2020-2025

4.3.2 North America Smart NIC Production Revenue Analysis 2020-2025

4.3.3 North America Smart NIC Sales Volume by Key Players 2020-2025

4.3.4 North America Smart NIC Production, Consumption, Import and Export 2020-2025

4.4 East Asia Smart NIC Market Competition Analysis 2020-2025

4.4.1 East Asia Smart NIC Production Volume Analysis 2020-2025

4.4.2 East Asia Smart NIC Production Revenue Analysis 2020-2025

4.4.3 East Asia Smart NIC Sales Volume by Key Players 2020-2025

4.4.4 East Asia Smart NIC Production, Consumption, Import and Export 2020-2025

4.5 Europe Smart NIC Market Competition Analysis 2020-2025

4.5.1 Europe Smart NIC Production Volume Analysis 2020-2025

4.5.2 Europe Smart NIC Production Revenue Analysis 2020-2025

4.5.3 Europe Smart NIC Sales Volume by Key Players 2020-2025

4.5.4 Europe Smart NIC Production, Consumption, Import and Export 2020-2025

4.6 South Asia Smart NIC Market Competition Analysis 2020-2025

4.6.1 South Asia Smart NIC Production Volume Analysis 2020-2025

4.6.2 South Asia Smart NIC Production Revenue Analysis 2020-2025

4.6.3 South Asia Smart NIC Sales Volume by Key Players 2020-2025

4.6.4 South Asia Smart NIC Production, Consumption, Import and Export 2020-2025

4.7 Southeast Asia Smart NIC Market Competition Analysis 2020-2025

4.7.1 Southeast Asia Smart NIC Production Volume Analysis 2020-2025

4.7.2 Southeast Asia Smart NIC Production Revenue Analysis 2020-2025

4.7.3 Southeast Asia Smart NIC Sales Volume by Key Players 2020-2025

4.7.4 Southeast Asia Smart NIC Production, Consumption, Import and Export 2020-2025

4.8 Middle East Smart NIC Market Competition Analysis 2020-2025

4.8.1 Middle East Smart NIC Production Volume Analysis 2020-2025

4.8.2 Middle East Smart NIC Production Revenue Analysis 2020-2025

4.8.3 Middle East Smart NIC Sales Volume by Key Players 2020-2025

4.8.4 Middle East Smart NIC Production, Consumption, Import and Export 2020-2025

- 4.9 Africa Smart NIC Market Competition Analysis 2020-2025
 - 4.9.1 Africa Smart NIC Production Volume Analysis 2020-2025
 - 4.9.2 Africa Smart NIC Production Revenue Analysis 2020-2025
 - 4.9.3 Africa Smart NIC Sales Volume by Key Players 2020-2025
 - 4.9.4 Africa Smart NIC Production, Consumption, Import and Export 2020-2025
- 4.10 Oceania Smart NIC Market Competition Analysis 2020-2025
 - 4.10.1 Oceania Smart NIC Production Volume Analysis 2020-2025
 - 4.10.2 Oceania Smart NIC Production Revenue Analysis 2020-2025
 - 4.10.3 Oceania Smart NIC Sales Volume by Key Players 2020-2025
 - 4.10.4 Oceania Smart NIC Production, Consumption, Import and Export 2020-2025
- 4.11 South America Smart NIC Market Competition Analysis 2020-2025
 - 4.11.1 South America Smart NIC Production Volume Analysis 2020-2025
 - 4.11.2 South America Smart NIC Production Revenue Analysis 2020-2025
 - 4.11.3 South America Smart NIC Sales Volume by Key Players 2020-2025
 - 4.11.4 South America Smart NIC Production, Consumption, Import and Export 2020-2025

5 MARKET COMPETITION ANALYSIS BY TYPE (SALES VIEW) 2020-2031

- 5.1 Global Smart NIC Historic Market Size by Type in 2020-2025
- 5.2 Global Smart NIC Forecasted Market Size by Type in 2026-2031

6 MARKET COMPETITION ANALYSIS BY APPLICATION (CONSUMPTION VIEW) 2020-2031

- 6.1 Global Smart NIC Historic Market Size by Application in 2020-2025
- 6.2 Global Smart NIC Forecasted Market Size by Application in 2026-2031

7 LEADING COMPANY PROFILES AND KEY FIGURES IN SMART NIC BUSINESS 2020-2025

- 7.1 Marvell Technology Group
 - 7.1.1 Marvell Technology Group Company Profile
 - 7.1.2 Marvell Technology Group Smart NIC Product Specification
 - 7.1.3 Marvell Technology Group Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.2 AMD
 - 7.2.1 AMD Company Profile
 - 7.2.2 AMD Smart NIC Product Specification

7.2.3 AMD Smart NIC Production Capacity, Revenue, Price and Gross Margin
2020-2025

7.3 NVIDIA

7.3.1 NVIDIA Company Profile

7.3.2 NVIDIA Smart NIC Product Specification

7.3.3 NVIDIA Smart NIC Production Capacity, Revenue, Price and Gross Margin
2020-2025

7.4 Intel

7.4.1 Intel Company Profile

7.4.2 Intel Smart NIC Product Specification

7.4.3 Intel Smart NIC Production Capacity, Revenue, Price and Gross Margin
2020-2025

7.5 Napatech

7.5.1 Napatech Company Profile

7.5.2 Napatech Smart NIC Product Specification

7.5.3 Napatech Smart NIC Production Capacity, Revenue, Price and Gross Margin
2020-2025

7.6 Netronome

7.6.1 Netronome Company Profile

7.6.2 Netronome Smart NIC Product Specification

7.6.3 Netronome Smart NIC Production Capacity, Revenue, Price and Gross Margin
2020-2025

8 MARKET FORECAST ANALYSIS ON PRODUCTION AND SUPPLY BY REGION 2026-2031

8.1 Global Forecasted Production Capacity of Smart NIC 2026-2031

8.2 Global Forecasted Production Revenue of Smart NIC 2026-2031

8.3 Global Forecasted Production Volume of Smart NIC by Region 2026-2031

8.3.1 North America Forecasted Production of Smart NIC 2026-2031

8.3.2 East Asia Forecasted Production of Smart NIC 2026-2031

8.3.3 Europe Forecasted Production of Smart NIC 2026-2031

8.3.4 South Asia Forecasted Production of Smart NIC 2026-2031

8.3.5 Southeast Asia Forecasted Production of Smart NIC 2026-2031

8.3.6 Middle East Forecasted Production of Smart NIC 2026-2031

8.3.7 Africa Forecasted Production of Smart NIC 2026-2031

8.3.8 Oceania Forecasted Production of Smart NIC 2026-2031

8.3.9 South America Forecasted Production of Smart NIC 2026-2031

8.3.10 Rest of the World Forecasted Production of Smart NIC 2026-2031

8.4 Global Forecasted Sales by Type and Consumption by Application in 2026-2031

8.4.1 Global Forecasted Sales Volume, Sales Revenue and Sales Price by Type in 2026-2031

8.4.2 Global Forecasted Consumption Volume and Consumption Value by Application in 2026-2031

9 MARKET FORECAST ANALYSIS ON CONSUMPTION AND DEMAND BY REGION 2026-2031

9.1 North America Forecasted Consumption of Smart NIC by Country

9.2 East Asia Forecasted Consumption of Smart NIC by Country

9.3 Europe Market Forecasted Consumption of Smart NIC by Country

9.4 South Asia Forecasted Consumption of Smart NIC by Country

9.5 Southeast Asia Forecasted Consumption of Smart NIC by Country

9.6 Middle East Forecasted Consumption of Smart NIC by Country

9.7 Africa Forecasted Consumption of Smart NIC by Country

9.8 Oceania Forecasted Consumption of Smart NIC by Country

9.9 South America Forecasted Consumption of Smart NIC by Country

9.10 Rest of the World Forecasted Consumption of Smart NIC by Country

10 MARKETING CHANNEL, DISTRIBUTORS AND CUSTOMERS ANALYSIS

10.1 Marketing Channel

10.1.1 Direct Channels

10.1.2 Indirect Channels

11 MARKET DYNAMICS ANALYSIS

11.1 Market Trends

11.2 Opportunities and Drivers

11.3 Challenges

11.4 Porter's Five Forces Analysis

12 CONCLUSION

13 APPENDIX

13.1 Methodology/Research Approach

13.1.1 Research Programs/Design

13.1.2 Market Size Estimation

13.1.3 Market Breakdown and Data Triangulation

13.2 Data Source

13.2.1 Secondary Sources

13.2.2 Primary Sources

13.3 Who Trust HNY Research

13.4 Disclaimer

Research Methodology

List Of Tables

LIST OF TABLES

Table Global Market Size in Production Revenue by Player 2020-2025
Table Global Market Size in Sales Revenue by Type in 2026-2031
Table Global Market Size in Consumption Value by Application in 2026-2031
Table Global Smart NIC Production Capacity by Players 2020-2025
Table Global Smart NIC Production Volume by Players 2020-2025
Table Global Smart NIC Production Volume Market Share by Players 2020-2025
Table Global Smart NIC Production Revenue by Players 2020-2025
Table Global Smart NIC Production Revenue Share by Players 2020-2025
Table Global Smart NIC Ex-Factory Price of Key Players 2020-2025
Table Global Smart NIC Production Volume by Region 2020-2025
Table Global Smart NIC Production Volume Market Share by Region 2020-2025
Table Global Smart NIC Production Revenue by Region 2020-2025
Table Global Smart NIC Production Revenue Market Share by Region 2020-2025
Table Global Smart NIC Consumption Volume by Region 2020-2025
Table Global Smart NIC Consumption Volume Market Share by Region 2020-2025
Table North America Smart NIC Sales Volume by Key Players 2020-2025
Table North America Smart NIC Production, Consumption, Import and Export 2020-2025
Table East Asia Smart NIC Sales Volume by Key Players 2020-2025
Table East Asia Smart NIC Production, Consumption, Import and Export 2020-2025
Table Europe Smart NIC Sales Volume by Key Players 2020-2025
Table Europe Smart NIC Production, Consumption, Import and Export 2020-2025
Table South Asia Smart NIC Sales Volume by Key Players 2020-2025
Table South Asia Smart NIC Production, Consumption, Import and Export 2020-2025
Table Southeast Asia Smart NIC Sales Volume by Key Players 2020-2025
Table Southeast Asia Smart NIC Production, Consumption, Import and Export 2020-2025
Table Middle East Smart NIC Sales Volume by Key Players 2020-2025
Table Middle East Smart NIC Production, Consumption, Import and Export 2020-2025
Table Africa Smart NIC Sales Volume by Key Players 2020-2025
Table Africa Smart NIC Production, Consumption, Import and Export 2020-2025
Table Oceania Smart NIC Sales Volume by Key Players 2020-2025
Table Oceania Smart NIC Production, Consumption, Import and Export 2020-2025
Table South America Smart NIC Sales Volume by Key Players 2020-2025
Table South America Smart NIC Production, Consumption, Import and Export

2020-2025

Table Global Smart NIC Historic Sales Revenue by Type in 2020-2025

Table Global Smart NIC Historic Sales Revenue Market Share by Type in 2020-2025

Table Global Smart NIC Forecasted Sales Revenue by Type in 2026-2031

Table Global Smart NIC Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Smart NIC Historic Consumption Value by Application in 2020-2025

Table Global Smart NIC Historic Consumption Value Market Share by Application in 2020-2025

Table Global Smart NIC Forecasted Consumption Value by Application in 2026-2031

Table Global Smart NIC Forecasted Consumption Value Market Share by Application in 2026-2031

Table Marvell Technology Group Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table AMD Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table NVIDIA Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Intel Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Napatech Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Netronome Smart NIC Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Global Forecasted Production Volume of Smart NIC by Region 2026-2031

Table Global Forecasted Sales Volume by Type in 2026-2031

Table Global Forecasted Sales Volume Market Share by Type in 2026-2031

Table Global Forecasted Sales Revenue by Type in 2026-2031

Table Global Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Forecasted Sales Price by Type in 2026-2031

Table Global Forecasted Consumption Volume by Application in 2026-2031

Table Global Forecasted Consumption Value by Application in 2026-2031

Table Market Key Trends

Table Key Opportunities and Drivers: Impact Analysis 2026-2031

Table Key Challenges

Table Research Programs/Design for This Report

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure Global Market Share in Sales Revenue by Type in 2025
Figure FPGA-based Features
Figure Others Features
Figure Global Market Share in Consumption Value by Application in 2025
Figure Data Center Case Studies
Figure Telecom Case Studies
Figure Others Case Studies
Figure Global Market Size in Sales Revenue Outlook 2026-2031
Figure North America Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure East Asia Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure Europe Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure South Asia Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure South America Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure Middle East Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure Africa Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure Oceania Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure South America Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure Rest of the World Smart NIC Sales Revenue and Growth Rate 2026-2031
Figure Manufacturing Cost Structure Analysis of Smart NIC 2026
Figure Industry Chain Structure Analysis of Smart NIC 2026
Figure Global Smart NIC Production Volume Market Share by Region in 2025
Figure Global Smart NIC Production Revenue Market Share by Region in 2025
Figure North America Smart NIC Production Volume Analysis 2020-2025
Figure North America Smart NIC Production Revenue Analysis 2020-2025
Figure East Asia Smart NIC Production Volume Analysis 2020-2025
Figure East Asia Smart NIC Production Revenue Analysis 2020-2025
Figure Europe Smart NIC Production Volume Analysis 2020-2025
Figure Europe Smart NIC Production Revenue Analysis 2020-2025
Figure South Asia Smart NIC Production Volume Analysis 2020-2025
Figure South Asia Smart NIC Production Revenue Analysis 2020-2025
Figure Southeast Asia Smart NIC Production Volume Analysis 2020-2025
Figure Southeast Asia Smart NIC Production Revenue Analysis 2020-2025
Figure Middle East Smart NIC Production Volume Analysis 2020-2025
Figure Middle East Smart NIC Production Revenue Analysis 2020-2025
Figure Africa Smart NIC Production Volume Analysis 2020-2025

Figure Africa Smart NIC Production Revenue Analysis 2020-2025
Figure Oceania Smart NIC Production Volume Analysis 2020-2025
Figure Oceania Smart NIC Production Revenue Analysis 2020-2025
Figure South America Smart NIC Production Volume Analysis 2020-2025
Figure South America Smart NIC Production Revenue Analysis 2020-2025
Figure Marvell Technology Group Smart NIC Product Specification
Figure AMD Smart NIC Product Specification
Figure NVIDIA Smart NIC Product Specification
Figure Intel Smart NIC Product Specification
Figure Napatech Smart NIC Product Specification
Figure Netronome Smart NIC Product Specification
Figure Global Forecasted Production Capacity of Smart NIC 2026-2031
Figure Global Forecasted Production Revenue of Smart NIC 2026-2031
Figure North America Forecasted Production Capacity of Smart NIC 2026-2031
Figure North America Forecasted Production Revenue of Smart NIC 2026-2031
Figure East Asia Forecasted Production Capacity of Smart NIC 2026-2031
Figure East Asia Forecasted Production Revenue of Smart NIC 2026-2031
Figure Europe Forecasted Production Capacity of Smart NIC 2026-2031
Figure Europe Forecasted Production Revenue of Smart NIC 2026-2031
Figure South Asia Forecasted Production Capacity of Smart NIC 2026-2031
Figure South Asia Forecasted Production Revenue of Smart NIC 2026-2031
Figure Southeast Asia Forecasted Production Capacity of Smart NIC 2026-2031
Figure Southeast Asia Forecasted Production Revenue of Smart NIC 2026-2031
Figure Middle East Forecasted Production Capacity of Smart NIC 2026-2031
Figure Middle East Forecasted Production Revenue of Smart NIC 2026-2031
Figure Africa Forecasted Production Capacity of Smart NIC 2026-2031
Figure Africa Forecasted Production Revenue of Smart NIC 2026-2031
Figure Oceania Forecasted Production Capacity of Smart NIC 2026-2031
Figure Oceania Forecasted Production Revenue of Smart NIC 2026-2031
Figure South America Forecasted Production Capacity of Smart NIC 2026-2031
Figure South America Forecasted Production Revenue of Smart NIC 2026-2031
Figure Rest of the World Forecasted Production Capacity of Smart NIC 2026-2031
Figure Rest of the World Forecasted Production Revenue of Smart NIC 2026-2031
Figure North America Forecasted Consumption of Smart NIC 2026-2031
Figure North America Forecasted Consumption of Smart NIC 2031 by Country
Figure East Asia Forecasted Consumption of Smart NIC 2026-2031
Figure East Asia Forecasted Consumption of Smart NIC 2031 by Country
Figure Europe Forecasted Consumption of Smart NIC 2026-2031
Figure Europe Forecasted Consumption of Smart NIC 2031 by Country

Figure South Asia Forecasted Consumption of Smart NIC 2026-2031
Figure South Asia Forecasted Consumption of Smart NIC 2031 by Country
Figure Southeast Asia Forecasted Consumption of Smart NIC 2026-2031
Figure Southeast Asia Forecasted Consumption of Smart NIC 2031 by Country
Figure Middle East Forecasted Consumption of Smart NIC 2026-2031
Figure Middle East Forecasted Consumption of Smart NIC 2031 by Country
Figure Africa Forecasted Consumption of Smart NIC 2026-2031
Figure Africa Forecasted Consumption of Smart NIC 2031 by Country
Figure Oceania Forecasted Consumption of Smart NIC 2026-2031
Figure Oceania Forecasted Consumption of Smart NIC 2031 by Country
Figure South America Forecasted Consumption of Smart NIC 2026-2031
Figure South America Forecasted Consumption of Smart NIC 2031 by Country
Figure Rest of the World Forecasted Consumption of Smart NIC 2026-2031
Figure Rest of the World Forecasted Consumption of Smart NIC 2031 by Country
Figure Channels of Distribution
Figure Porter's Five Forces Analysis
Figure Key Executives Interviewed

I would like to order

Product name: 2026-2031 Global Smart NIC Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

Product link: <https://marketpublishers.com/r/S3FB8D79CC43EN.html>

Price: US\$ 3,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S3FB8D79CC43EN.html>