

Global Network Slice Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/GD31BB529409EN.html>

Date: December 2024

Pages: 110

Price: US\$ 2,800.00 (Single User License)

ID: GD31BB529409EN

Abstracts

Report Overview

Network slicing is a pivotal concept in the realm of modern telecommunications, enabling the creation of multiple virtual networks on a shared physical infrastructure. These slices are tailored to meet the diverse requirements of different applications, users, or services. By segmenting the network resources, network slicing allows for enhanced customization, flexibility, and efficiency in delivering services. Positioned at the forefront of 5G technology, network slicing is instrumental in enabling the deployment of diverse use cases such as autonomous vehicles, smart cities, and industrial automation.

The current market size for network slicing stands at approximately USD 150 million in 2023. With a projected Compound Annual Growth Rate (CAGR) of 45.67% from 2024 to 2032, the market is expected to reach USD 2.5 billion by the end of the forecast period. This growth trajectory is primarily fueled by the increasing adoption of 5G technology, rising demand for high-speed connectivity, and the proliferation of IoT devices. Additionally, the need for efficient network resource utilization and the emergence of new applications requiring low latency and high reliability further drive the market for network slicing.

One of the key trends shaping the network slicing market is the integration of Artificial Intelligence (AI) and Machine Learning (ML) algorithms to optimize network slice management. By leveraging AI-driven analytics, network operators can dynamically allocate resources, predict network congestion, and ensure Quality of Service (QoS) for different slices. Another significant trend is the evolution towards end-to-end network slicing, encompassing radio access, transport, and core networks. This holistic

approach enables seamless service delivery across the entire network infrastructure, enhancing the overall user experience.

Moreover, the market is witnessing a shift towards network slicing as a service, where cloud service providers offer network slice provisioning on-demand. This model allows enterprises to quickly deploy customized network slices without heavy upfront investments in infrastructure. Furthermore, the convergence of network slicing with edge computing is gaining traction, enabling ultra-low latency applications and real-time data processing at the network edge.

In terms of regional market distribution, North America and Asia Pacific are poised to lead the network slicing market, driven by extensive 5G deployments and a strong focus on technological innovation. North America benefits from early 5G rollouts and a supportive regulatory environment, fostering collaborations between telecom operators and vertical industries. On the other hand, Asia Pacific showcases rapid digital transformation initiatives, particularly in countries like China, South Korea, and Japan, driving the adoption of network slicing for diverse use cases.

Despite the promising growth prospects, the network slicing market faces several challenges. One key challenge is the complexity of orchestrating and managing multiple network slices efficiently, especially in multi-vendor environments. Interoperability issues between different vendors' equipment and software solutions can hinder seamless slice provisioning and service delivery. Additionally, ensuring end-to-end security and privacy across network slices remains a critical concern, particularly in sensitive applications like healthcare and finance.

In conclusion, the market for network slicing is poised for substantial growth driven by the proliferation of 5G technology and the demand for customized, high-performance network services. Embracing AI-driven optimization, end-to-end slicing solutions, and network slicing as a service will be crucial for industry players to capitalize on this evolving market landscape. By addressing challenges around orchestration complexity and security, stakeholders can unlock the full potential of network slicing in enabling innovative use cases and transforming the digital ecosystem.

This report provides a deep insight into the global Network Slice market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Network Slice Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Network Slice market in any manner.

Global Network Slice Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Ericsson

Affirmed Networks

Samsung

Fortinet Inc

Nokia

Huawei

Intel

Cisco

ZTE

SK Telecom

Deutsche Telekom

NTT DOCOMO

Mavenir Systems Inc

Parallel Wireless Inc

Market Segmentation (by Type)

Public Network Slicing

Industry Network Slicing

Market Segmentation (by Application)

Live HD

Cloud Gaming

Power Industry

Industrial

Medical

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Network Slice Market

Overview of the regional outlook of the Network Slice Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Network Slice Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development

potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Network Slice

1.2 Key Market Segments

1.2.1 Network Slice Segment by Type

1.2.2 Network Slice Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 NETWORK SLICE MARKET OVERVIEW

2.1 Global Market Overview

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 NETWORK SLICE MARKET COMPETITIVE LANDSCAPE

3.1 Global Network Slice Revenue Market Share by Company (2019-2024)

3.2 Network Slice Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.3 Company Network Slice Market Size Sites, Area Served, Product Type

3.4 Network Slice Market Competitive Situation and Trends

3.4.1 Network Slice Market Concentration Rate

3.4.2 Global 5 and 10 Largest Network Slice Players Market Share by Revenue

3.4.3 Mergers & Acquisitions, Expansion

4 NETWORK SLICE VALUE CHAIN ANALYSIS

4.1 Network Slice Value Chain Analysis

4.2 Midstream Market Analysis

4.3 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF NETWORK SLICE MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 Mergers & Acquisitions
 - 5.5.2 Expansions
 - 5.5.3 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 NETWORK SLICE MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Network Slice Market Size Market Share by Type (2019-2024)
- 6.3 Global Network Slice Market Size Growth Rate by Type (2019-2024)

7 NETWORK SLICE MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Network Slice Market Size (M USD) by Application (2019-2024)
- 7.3 Global Network Slice Market Size Growth Rate by Application (2019-2024)

8 NETWORK SLICE MARKET SEGMENTATION BY REGION

- 8.1 Global Network Slice Market Size by Region
 - 8.1.1 Global Network Slice Market Size by Region
 - 8.1.2 Global Network Slice Market Size Market Share by Region
- 8.2 North America
 - 8.2.1 North America Network Slice Market Size by Country
 - 8.2.2 U.S.
 - 8.2.3 Canada
 - 8.2.4 Mexico
- 8.3 Europe
 - 8.3.1 Europe Network Slice Market Size by Country
 - 8.3.2 Germany
 - 8.3.3 France
 - 8.3.4 U.K.
 - 8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Network Slice Market Size by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Network Slice Market Size by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Network Slice Market Size by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 KEY COMPANIES PROFILE

9.1 Ericsson

9.1.1 Ericsson Network Slice Basic Information

9.1.2 Ericsson Network Slice Product Overview

9.1.3 Ericsson Network Slice Product Market Performance

9.1.4 Ericsson Network Slice SWOT Analysis

9.1.5 Ericsson Business Overview

9.1.6 Ericsson Recent Developments

9.2 Affirmed Networks

9.2.1 Affirmed Networks Network Slice Basic Information

9.2.2 Affirmed Networks Network Slice Product Overview

9.2.3 Affirmed Networks Network Slice Product Market Performance

9.2.4 Affirmed Networks Network Slice SWOT Analysis

9.2.5 Affirmed Networks Business Overview

9.2.6 Affirmed Networks Recent Developments

9.3 Samsung

9.3.1 Samsung Network Slice Basic Information

- 9.3.2 Samsung Network Slice Product Overview
- 9.3.3 Samsung Network Slice Product Market Performance
- 9.3.4 Samsung Network Slice SWOT Analysis
- 9.3.5 Samsung Business Overview
- 9.3.6 Samsung Recent Developments

9.4 Fortinet Inc

- 9.4.1 Fortinet Inc Network Slice Basic Information
- 9.4.2 Fortinet Inc Network Slice Product Overview
- 9.4.3 Fortinet Inc Network Slice Product Market Performance
- 9.4.4 Fortinet Inc Business Overview
- 9.4.5 Fortinet Inc Recent Developments

9.5 Nokia

- 9.5.1 Nokia Network Slice Basic Information
- 9.5.2 Nokia Network Slice Product Overview
- 9.5.3 Nokia Network Slice Product Market Performance
- 9.5.4 Nokia Business Overview
- 9.5.5 Nokia Recent Developments

9.6 Huawei

- 9.6.1 Huawei Network Slice Basic Information
- 9.6.2 Huawei Network Slice Product Overview
- 9.6.3 Huawei Network Slice Product Market Performance
- 9.6.4 Huawei Business Overview
- 9.6.5 Huawei Recent Developments

9.7 Intel

- 9.7.1 Intel Network Slice Basic Information
- 9.7.2 Intel Network Slice Product Overview
- 9.7.3 Intel Network Slice Product Market Performance
- 9.7.4 Intel Business Overview
- 9.7.5 Intel Recent Developments

9.8 Cisco

- 9.8.1 Cisco Network Slice Basic Information
- 9.8.2 Cisco Network Slice Product Overview
- 9.8.3 Cisco Network Slice Product Market Performance
- 9.8.4 Cisco Business Overview
- 9.8.5 Cisco Recent Developments

9.9 ZTE

- 9.9.1 ZTE Network Slice Basic Information
- 9.9.2 ZTE Network Slice Product Overview
- 9.9.3 ZTE Network Slice Product Market Performance

- 9.9.4 ZTE Business Overview
- 9.9.5 ZTE Recent Developments
- 9.10 SK Telecom
 - 9.10.1 SK Telecom Network Slice Basic Information
 - 9.10.2 SK Telecom Network Slice Product Overview
 - 9.10.3 SK Telecom Network Slice Product Market Performance
 - 9.10.4 SK Telecom Business Overview
 - 9.10.5 SK Telecom Recent Developments
- 9.11 Deutsche Telekom
 - 9.11.1 Deutsche Telekom Network Slice Basic Information
 - 9.11.2 Deutsche Telekom Network Slice Product Overview
 - 9.11.3 Deutsche Telekom Network Slice Product Market Performance
 - 9.11.4 Deutsche Telekom Business Overview
 - 9.11.5 Deutsche Telekom Recent Developments
- 9.12 NTT DOCOMO
 - 9.12.1 NTT DOCOMO Network Slice Basic Information
 - 9.12.2 NTT DOCOMO Network Slice Product Overview
 - 9.12.3 NTT DOCOMO Network Slice Product Market Performance
 - 9.12.4 NTT DOCOMO Business Overview
 - 9.12.5 NTT DOCOMO Recent Developments
- 9.13 Mavenir Systems Inc
 - 9.13.1 Mavenir Systems Inc Network Slice Basic Information
 - 9.13.2 Mavenir Systems Inc Network Slice Product Overview
 - 9.13.3 Mavenir Systems Inc Network Slice Product Market Performance
 - 9.13.4 Mavenir Systems Inc Business Overview
 - 9.13.5 Mavenir Systems Inc Recent Developments
- 9.14 Parallel Wireless Inc
 - 9.14.1 Parallel Wireless Inc Network Slice Basic Information
 - 9.14.2 Parallel Wireless Inc Network Slice Product Overview
 - 9.14.3 Parallel Wireless Inc Network Slice Product Market Performance
 - 9.14.4 Parallel Wireless Inc Business Overview
 - 9.14.5 Parallel Wireless Inc Recent Developments

10 NETWORK SLICE REGIONAL MARKET FORECAST

- 10.1 Global Network Slice Market Size Forecast
- 10.2 Global Network Slice Market Forecast by Region
 - 10.2.1 North America Market Size Forecast by Country
 - 10.2.2 Europe Network Slice Market Size Forecast by Country

10.2.3 Asia Pacific Network Slice Market Size Forecast by Region

10.2.4 South America Network Slice Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Network Slice by Country

11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

11.1 Global Network Slice Market Forecast by Type (2025-2032)

11.2 Global Network Slice Market Forecast by Application (2025-2032)

12 CONCLUSION AND KEY FINDINGS

I would like to order

Product name: Global Network Slice Market Research Report 2024(Status and Outlook)

Product link: <https://marketpublishers.com/r/GD31BB529409EN.html>

Price: US\$ 2,800.00 (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/GD31BB529409EN.html>