+357 96 030922
info@marketpublishers.com

Global Data Center Networking Market Size Study by Hardware (Network Switches [Fixed, Modular], Routers), Fixed Switches (Managed, Unmanaged), Speed, Routers, Software (Network Management & Monitoring, NFV, Software – Defined Networking) and Regional Forecasts 2022-2032

https://marketpublishers.com/r/GFC7AF11D554EN.html
Date: January 2025
Pages: 285
Price: US$ 3,218.00 (Single User License)
ID: GFC7AF11D554EN

Abstracts

The Global Data Center Networking Market is valued at approximately USD 33.78 billion in 2023 and is anticipated to grow with a robust CAGR of 11.30% over the forecast period 2024-2032.Data center networking has become the linchpin of modern enterprise IT infrastructure, empowering businesses with efficient and scalable solutions to handle the burgeoning flow of data. As organizations pivot towards cloud-based solutions and edge computing, the demand for innovative networking technologies continues to rise exponentially.

The market's upward trajectory is primarily fueled by the rapid digitization of enterprises, increased adoption of virtualization, and the advent of software-defined networking (SDN) and network function virtualization (NFV). Network switches, whether fixed or modular, play a pivotal role in enabling seamless data flow within and between data centers. The integration of intelligent management software with robust hardware infrastructure is reshaping the operational dynamics, fostering enhanced flexibility and efficiency. Moreover, the growing focus on network security and real-time monitoring further underscores the indispensability of advanced networking solutions in mitigating potential risks.

However, the market is not without its challenges. High initial deployment costs and the complexity of integrating legacy systems with modern architectures may impede rapid

+357 96 030922
info@marketpublishers.com

adoption. Nonetheless, advancements in technologies such as high-speed Ethernet and the proliferation of 5G networks are poised to alleviate these hurdles, unlocking significant opportunities for stakeholders. The increasing emphasis on sustainable and energy-efficient data center solutions further augments the market's prospects, aligning with global environmental goals.

Regionally, North America dominates the data center networking landscape, supported by an extensive IT infrastructure and the presence of major technology companies. The Asia-Pacific region is projected to witness the fastest growth over the forecast period, driven by escalating investments in cloud computing and the proliferation of internet services in emerging economies such as China and India. Europe also holds a substantial share, with heightened demand for scalable networking solutions across diverse industries. Latin America and the Middle East & Africa are anticipated to experience steady growth, fueled by increasing digitization efforts and the expansion of regional data centers.

Major market players included in this report are:

Cisco Systems, Inc.

Juniper Networks, Inc.

Arista Networks, Inc.

Dell Technologies Inc.

Hewlett Packard Enterprise Development LP

Nokia Corporation

Extreme Networks, Inc.

Huawei Technologies Co., Ltd.

Broadcom Inc.

VMware, Inc.

+357 96 030922
info@marketpublishers.com

Fujitsu Limited

NEC Corporation

NetApp, Inc.

Check Point Software Technologies Ltd.

Fortinet, Inc.

The detailed segments and sub-segments of the market are explained below:

By Hardware:

Network Switches

Fixed

? Managed

? Unmanaged

Modular

Routers

By Software:

Network Management & Monitoring

Network Function Virtualization (NFV)

Software-Defined Networking (SDN)

+357 96 030922
info@marketpublishers.com

By Region:

- North America
- U.S.
- Canada
- Europe
- UK
- Germany
- France
- Spain
- Italy
- Rest of Europe
- Asia Pacific
- China
- India
- Japan
- Australia
- South Korea
- Rest of Asia Pacific
- Latin America

+357 96 030922
info@marketpublishers.com

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market estimates and forecasts for a 10-year period from 2022 to 2032.

Regional-level and annualized revenue analysis for each market segment.

Comprehensive analysis of the competitive landscape, including strategies adopted by key players.

Insights into demand-side and supply-side market dynamics.

+357 96 030922
info@marketpublishers.com

Recommendations for stakeholders based on in-depth market research.

+357 96 030922
info@marketpublishers.com

Contents

CHAPTER 1. GLOBAL DATA CENTER NETWORKING MARKET EXECUTIVE SUMMARY

1.1. Global Data Center Networking Market Size & Forecast (2022-2032)
1.2. Regional Summary
1.3. Segmental Summary
  1.3.1. By Hardware
  1.3.2. By Software
1.4. Key Trends
1.5. Recession Impact
1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL DATA CENTER NETWORKING MARKET DEFINITION AND RESEARCH ASSUMPTIONS

2.1. Research Objective
2.2. Market Definition
2.3. Research Assumptions
  2.3.1. Inclusion & Exclusion
  2.3.2. Limitations
  2.3.3. Supply Side Analysis
    2.3.3.1. Availability
    2.3.3.2. Infrastructure
    2.3.3.3. Regulatory Environment
    2.3.3.4. Market Competition
    2.3.3.5. Economic Viability (Consumer’s Perspective)
  2.3.4. Demand Side Analysis
    2.3.4.1. Regulatory Frameworks
    2.3.4.2. Technological Advancements
    2.3.4.3. Environmental Considerations
    2.3.4.4. Consumer Awareness & Acceptance
2.4. Estimation Methodology
2.5. Years Considered for the Study
2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL DATA CENTER NETWORKING MARKET DYNAMICS

+357 96 030922
info@marketpublishers.com

3.1. Market Drivers
3.1.1. Rapid Digitization of Enterprises
3.1.2. Increased Adoption of Virtualization
3.1.3. Advent of SDN and NFV
3.2. Market Challenges
3.2.1. High Initial Deployment Costs
3.2.2. Complexity of Integrating Legacy Systems
3.3. Market Opportunities
3.3.1. Advancements in High-Speed Ethernet
3.3.2. Proliferation of 5G Networks
3.3.3. Emphasis on Sustainable and Energy-Efficient Solutions

CHAPTER 4. GLOBAL DATA CENTER NETWORKING MARKET INDUSTRY ANALYSIS

4.1. Porter’s 5 Force Model
4.1.1. Bargaining Power of Suppliers
4.1.2. Bargaining Power of Buyers
4.1.3. Threat of New Entrants
4.1.4. Threat of Substitutes
4.1.5. Competitive Rivalry
4.1.6. Futuristic Approach to Porter’s 5 Force Model
4.1.7. Porter’s 5 Force Impact Analysis
4.2. PESTEL Analysis
4.2.1. Political
4.2.2. Economical
4.2.3. Social
4.2.4. Technological
4.2.5. Environmental
4.2.6. Legal
4.3. Top Investment Opportunities
4.4. Top Winning Strategies
4.5. Disruptive Trends
4.6. Industry Expert Perspective
4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL DATA CENTER NETWORKING MARKET SIZE & FORECASTS BY HARDWARE 2022-2032

+357 96 030922
info@marketpublishers.com

5.1. Segment Dashboard
5.2. Global Data Center Networking Market: Hardware Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
5.2.1. Network Switches
5.2.1.1. Fixed
5.2.1.1.1. Managed
5.2.1.1.2. Unmanaged
5.2.1.2. Modular
5.2.2. Routers

CHAPTER 6. GLOBAL DATA CENTER NETWORKING MARKET SIZE & FORECASTS BY SOFTWARE 2022-2032

6.1. Segment Dashboard
6.2. Global Data Center Networking Market: Software Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
6.2.1. Network Management & Monitoring
6.2.2. Network Function Virtualization (NFV)
6.2.3. Software-Defined Networking (SDN)

CHAPTER 7. GLOBAL DATA CENTER NETWORKING MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Data Center Networking Market
7.1.1. U.S. Data Center Networking Market
7.1.1.1. Hardware Breakdown Size & Forecasts, 2022-2032
7.1.1.2. Software Breakdown Size & Forecasts, 2022-2032
7.1.2. Canada Data Center Networking Market
7.2. Europe Data Center Networking Market
7.2.1. UK Data Center Networking Market
7.2.2. Germany Data Center Networking Market
7.2.3. France Data Center Networking Market
7.2.4. Spain Data Center Networking Market
7.2.5. Italy Data Center Networking Market
7.2.6. Rest of Europe Data Center Networking Market
7.3. Asia-Pacific Data Center Networking Market
7.3.1. China Data Center Networking Market
7.3.2. India Data Center Networking Market
7.3.3. Japan Data Center Networking Market

+357 96 030922
info@marketpublishers.com

7.3.4. Australia Data Center Networking Market
7.3.5. South Korea Data Center Networking Market
7.3.6. Rest of Asia Pacific Data Center Networking Market
7.4. Latin America Data Center Networking Market
7.4.1. Brazil Data Center Networking Market
7.4.2. Mexico Data Center Networking Market
7.4.3. Rest of Latin America Data Center Networking Market
7.5. Middle East & Africa Data Center Networking Market
7.5.1. Saudi Arabia Data Center Networking Market
7.5.2. South Africa Data Center Networking Market
7.5.3. Rest of Middle East & Africa Data Center Networking Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis
8.1.1. Cisco Systems, Inc.
8.1.2. Juniper Networks, Inc.
8.1.3. Arista Networks, Inc.
8.2. Top Market Strategies
8.3. Company Profiles
8.3.1. Cisco Systems, Inc.
8.3.1.1. Key Information
8.3.1.2. Overview
8.3.1.3. Financial (Subject to Data Availability)
8.3.1.4. Product Summary
8.3.1.5. Market Strategies
8.3.2. Juniper Networks, Inc.
8.3.3. Arista Networks, Inc.
8.3.4. Dell Technologies Inc.
8.3.5. Hewlett Packard Enterprise Development LP
8.3.6. Nokia Corporation
8.3.7. Extreme Networks, Inc.
8.3.8. Huawei Technologies Co., Ltd.
8.3.9. Broadcom Inc.
8.3.10. VMware, Inc.

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

+357 96 030922
info@marketpublishers.com

9.1.1. Data Mining
9.1.2. Analysis
9.1.3. Market Estimation
9.1.4. Validation
9.1.5. Publishing
9.2. Research Attributes

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

TABLE 1. Global Data Center Networking Market, Report Scope
TABLE 2. Global Data Center Networking Market Estimates & Forecasts by Region 2022-2032 (USD Million/Billion)
TABLE 3. Global Data Center Networking Market Estimates & Forecasts by Hardware 2022-2032 (USD Million/Billion)
TABLE 4. Global Data Center Networking Market Estimates & Forecasts by Software 2022-2032 (USD Million/Billion)
TABLE 5. Global Data Center Networking Market Estimates & Forecasts by Application 2022-2032 (USD Million/Billion)
TABLE 6. Global Data Center Networking Market Estimates & Forecasts by End Use 2022-2032 (USD Million/Billion)
TABLE 7. Global Data Center Networking Market Estimates & Forecasts by Manufacturing Process 2022-2032 (USD Million/Billion)
TABLE 8. Global Data Center Networking Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 9. Global Data Center Networking Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 10. Global Data Center Networking Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 11. Global Data Center Networking Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 12. Global Data Center Networking Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 13. Global Data Center Networking Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 14. Global Data Center Networking Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 15. U.S. Data Center Networking Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 16. U.S. Data Center Networking Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
TABLE 17. U.S. Data Center Networking Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
TABLE 18. Canada Data Center Networking Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

+357 96 030922
info@marketpublishers.com

TABLE 19. Canada Data Center Networking Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
TABLE 20. Canada Data Center Networking Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
…..

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

FIG 1. Global Data Center Networking Market, Research Methodology
FIG 2. Global Data Center Networking Market, Market Estimation Techniques
FIG 3. Global Market Size Estimates & Forecast Methods
FIG 4. Global Data Center Networking Market, Key Trends 2023
FIG 5. Global Data Center Networking Market, Growth Prospects 2022-2032
FIG 6. Global Data Center Networking Market, Porter’s 5 Force Model
FIG 7. Global Data Center Networking Market, PESTEL Analysis
FIG 8. Global Data Center Networking Market, Value Chain Analysis
FIG 9. Global Data Center Networking Market by Segment, 2022 & 2032 (USD Million/Billion)
FIG 10. Global Data Center Networking Market by Segment, 2022 & 2032 (USD Million/Billion)
FIG 11. Global Data Center Networking Market by Segment, 2022 & 2032 (USD Million/Billion)
FIG 12. Global Data Center Networking Market by Segment, 2022 & 2032 (USD Million/Billion)
FIG 13. Global Data Center Networking Market by Segment, 2022 & 2032 (USD Million/Billion)
FIG 14. Global Data Center Networking Market, Regional Snapshot 2022 & 2032
FIG 15. North America Data Center Networking Market 2022 & 2032 (USD Million/Billion)
FIG 16. Europe Data Center Networking Market 2022 & 2032 (USD Million/Billion)
FIG 17. Asia Pacific Data Center Networking Market 2022 & 2032 (USD Million/Billion)
FIG 18. Latin America Data Center Networking Market 2022 & 2032 (USD Million/Billion)
FIG 19. Middle East & Africa Data Center Networking Market 2022 & 2032 (USD Million/Billion)
FIG 20. Global Data Center Networking Market, Company Market Share Analysis (2023)
…..
This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Data Center Networking Market Size Study by Hardware (Network Switches [Fixed, Modular], Routers), Fixed Switches (Managed, Unmanaged), Speed, Routers, Software (Network Management & Monitoring, NFV, Software – Defined Networking) and Regional Forecasts 2022-2032

Product link: https://marketpublishers.com/r/GFC7AF11D554EN.html

Price: US$ 3,218.00 (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/GFC7AF11D554EN.html