

# North America Serial Console Server Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

<https://marketpublishers.com/r/N6D3A0CFE378EN.html>

Date: July 2025

Pages: 152

Price: US\$ 3,450.00 (Single User License)

ID: N6D3A0CFE378EN

## Abstracts

The North America serial console server market size is expected to reach US\$ 203.89 million by 2031 from US\$ 138.91 million in 2024. The market is estimated to record a CAGR of 5.8% from 2025-2031.

Executive Summary and North America Serial Console Server Market Analysis:

The serial console server market in North America is segmented into the US, Canada, and Mexico. The region's expanding IT infrastructure and the accelerated shift to cloud services create a growing need for remote, secure, and scalable management of devices. As businesses scale their networks and data centers, serial console servers provide essential solutions for minimizing downtime, ensuring security, and streamlining operations. These servers also play a crucial role in ensuring secure, uninterrupted access to devices, improving operational efficiency, and enhancing network security. For example, in December 2024, the Canadian government's investment of US\$ 169 million in Cohere, a Toronto-based AI startup, is a significant step in expanding the country's AI and data infrastructure. This funding will enhance the startup's AI computing capacity, creating a greater need for secure, efficient management solutions. As the number of data centers and AI technologies adoption grow, the demand for advanced systems such as serial console servers to manage, monitor, and protect critical infrastructure will continue to rise, which is expected to fuel the serial console server market in North America during the forecast period.

Rising investments in data center infrastructure and cloud computing are contributing to the increased demand for serial console servers in North America. For example, in January 2025, Amazon Web Services (AWS) announced a significant investment of

over US\$ 5 billion in Mexico to develop a new data center in the country. As businesses expand their data center capabilities, the need for efficient, secure, and scalable remote management solutions becomes essential, which contributes to the adoption of serial console servers in the region. The serial console server market in North America is experiencing growth owing to increasing concerns over network security and the need for efficient remote management. As businesses scale their IT infrastructure, innovative solutions by the market players are addressing vulnerabilities in legacy systems. For example, in May 2024, ZPE Systems launched two new products at Cisco Live Las Vegas: the Nodegrid Serial Console Core Edition and the Nodegrid Gate SR platform with embedded NVIDIA Jetson Orin Nano module. These innovative products empower organizations to better protect their vital IT infrastructure and NVIDIA AI investments from the growing risks of cyberattacks. These modern console servers offer enhanced security through isolated management networks, protecting critical IT infrastructure.

#### North America Serial Console Server Market Segmentation Analysis:

Key segments that contributed to the derivation of the North America serial console server market analysis are port, application, and end use industry.

By port, the serial console server market is segmented into Below 16, 16 to 32, 33 to 64, and above 64. The 16 to 32 held the largest share of the market in 2024.

By application, the serial console server market is segmented into network infrastructure management, device management, remote access, security management, and disaster recovery. The remote access held the largest share of the market in 2024.

By end use industry, the serial console server market is segmented into IT and Telecom, BFSI, healthcare, manufacturing, retail, and others. The IT and Telecom held the largest share of the market in 2024.

#### North America Serial Console Server Market Outlook

The data center industry has experienced significant growth over the past decade, driven by increasing data consumption, cloud adoption, and the proliferation of IoT devices. As organizations and businesses continue to expand their digital infrastructure, the need for efficient and reliable management of complex IT systems has escalated. As a result, there is a growing demand for serial console servers, which play a pivotal role in enabling seamless management of data center operations.

Serial console servers provide IT administrators with remote access to the console ports of network devices, servers, and other infrastructure equipment. These servers enable administrators to monitor, troubleshoot, and configure hardware without the need for on-site presence, ensuring operational continuity even during critical failures or maintenance windows. As data centers scale and the number of devices managed by these centers increases, the importance of remote management tools such as serial console servers become paramount. These devices are critical to ensuring uptime, operational efficiency, and scalability. Thus, the expansion of the data center industry fuels the serial console server market growth .

### North America Serial Console Server Market Country Insights

Based on country, the North America serial console server market comprises the US, Canada, and Mexico. The US held the largest share in 2024.

In the US, businesses are increasingly seeking reliable, secure, and efficient solutions to manage and monitor their network infrastructure remotely. Serial console servers provide critical out-of-band management capabilities, allowing IT teams to access devices such as routers, switches, and servers even when the primary network is down. For example, according to WTI–Western Telematic, Inc., in the case of an airline, the WTI DSM-40-E console server was deployed to manage a large network of servers and equipment across multiple data centers. One of its standout features is the ability to allow simultaneous access via Ethernet and administrator “View Port” rights. These features allow network engineers to remotely access the network devices using Ethernet while administrators maintain full control through exclusive "View Port" rights, thereby ensuring security and operational oversight. Thus, the growing adoption of serial console servers in the aviation industry drives the market.

In May 2021, the American Hospital Association (AHA) urged Congress and the Biden Administration to prioritize funding for America’s hospital infrastructure. The investments support the expansion of the digital and data infrastructure for healthcare. The focus on the need for robust IT infrastructure for the healthcare sector has generated the need for robust IT systems for a variety of tasks such as managing patient records, coordinating care, and monitoring critical devices. The growing dependence on such networks has driven the demand for serial console servers, which are essential for remotely managing servers, switches, routers, and other networking devices.

## North America Serial Console Server Market Company Profiles

Some of the key players operating in the market include Eaton Corp Plc; Vertiv Group Corp.; Hewlett Packard Enterprise Development LP; Lantronix Inc.; Black Box Corporation; ATEN International Co., Ltd.; Opengear, Inc; Perle Systems; Raritan Inc.; and WTI - Western Telematic Inc, among others. These players are adopting various strategies such as expansion, product innovation, and mergers and acquisitions to provide innovative products to their consumers and increase their market share.

### North America Serial Console Server Market Research Methodology :

The following methodology has been followed for the collection and analysis of data presented in this report:

**Secondary Research** The research process begins with comprehensive secondary research, utilizing both internal and external sources to gather qualitative and quantitative data for each market. Commonly referenced secondary research sources include, but are not limited to:

Company websites , annual reports, financial statements, broker analyses, and investor presentations. Industry trade journals and other relevant publications. Government documents , statistical databases, and market reports. News articles , press releases, and webcasts specific to companies operating in the market. Note: All financial data included in the Company Profiles section has been standardized to USD. For companies reporting in other currencies, figures have been converted to USD using the relevant exchange rates for the corresponding year.

**Primary Research** The Insight Partners' conducts a significant number of primary interviews each year with industry stakeholders and experts to validate its data analysis, and gain valuable insights. These research interviews are designed to:

Validate and refine findings from secondary research. Enhance the expertise and market understanding of the analysis team. Gain insights into market size, trends, growth patterns, competitive dynamics, and future prospects. Primary research is conducted via email interactions and telephone interviews, encompassing various markets, categories, segments, and sub-segments across different regions. Participants typically include:

Industry stakeholders : Vice Presidents, business development managers, market

intelligence managers, and national sales managers External experts : Valuation specialists, research analysts, and key opinion leaders with industry-specific expertise

### Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America Serial Console Server Market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the North America Serial Console Server Market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the North America Serial Console Server Market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

### Companies

Eaton Corp Plc

Vertiv Group Corp

Hewlett Packard Enterprise Development LP

Lantronix Inc

Black Box Corporation

ATEN International Co., Ltd

Opegear, Inc

Perle Systems

Raritan Inc

WTI - Western Telematic Inc

## Contents

### **1. INTRODUCTION**

- 1.1 Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Secondary Research
- 3.2 Primary Research
  - 3.2.1 Hypothesis formulation:
  - 3.2.2 Macroeconomic factor analysis:
  - 3.2.3 Developing base number:
  - 3.2.4 Data Triangulation:
  - 3.2.5 Country-level data:

### **4. NORTH AMERICA SERIAL CONSOLE SERVER MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
  - 4.3.1 Component Providers
  - 4.3.2 Manufacturers
  - 4.3.3 Distributors
  - 4.3.4 End Users
  - 4.3.5 List of Vendors in the Value Chain

### **5. NORTH AMERICA SERIAL CONSOLE SERVER MARKET - KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Expansion of Data Center Industry
  - 5.1.2 Automation Adoption in Various Industrial Processes

5.1.3 Growing Need for Out-Of-Band Access

5.2 Market Restraints

5.2.1 High Initial Cost and Complex Setup and Configuration

5.3 Market Opportunity

5.3.1 Rising Initiatives Toward Improving Infrastructure and Promoting Sustainability

5.4 Market Trends

5.4.1 AI-integrated serial console servers

5.5 Impact of Drivers and Restraints:

## **6. SERIAL CONSOLE SERVER MARKET - NORTH AMERICA MARKET ANALYSIS**

6.1 North America Serial Console Server Market Revenue (US\$ Million), 2021-2031

6.2 North America Serial Console Server Market Forecast Analysis

## **7. NORTH AMERICA SERIAL CONSOLE SERVER MARKET ANALYSIS - BY PORTS**

7.1 Below 16

7.1.1 Overview

7.1.2 Below 16: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.2 16 to 32

7.2.1 Overview

7.2.2 16 to 32: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.3 32 to 64

7.3.1 Overview

7.3.2 32 to 64: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.4 Above 64

7.4.1 Overview

7.4.2 Above 64: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

## **8. NORTH AMERICA SERIAL CONSOLE SERVER MARKET ANALYSIS - BY APPLICATION**

8.1 Network Infrastructure Management

8.1.1 Overview

8.1.2 Network Infrastructure Management: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.2 Device Management

8.2.1 Overview

8.2.2 Device Management: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.3 Remote Access

8.3.1 Overview

8.3.2 Remote Access: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.4 Security Management

8.4.1 Overview

8.4.2 Security Management: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.5 Disaster Recovery

8.5.1 Overview

8.5.2 Disaster Recovery: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

## **9. NORTH AMERICA SERIAL CONSOLE SERVER MARKET ANALYSIS - BY END USE INDUSTRY**

9.1 IT and Telecom

9.1.1 Overview

9.1.2 IT and Telecom: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.2 BFSI

9.2.1 Overview

9.2.2 BFSI: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.3 Healthcare

9.3.1 Overview

9.3.2 Healthcare: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.4 Manufacturing

9.4.1 Overview

9.4.2 Manufacturing: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.5 Retail

### 9.5.1 Overview

9.5.2 Retail: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

## 9.6 Others

### 9.6.1 Overview

9.6.2 Others: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

## **10. NORTH AMERICA SERIAL CONSOLE SERVER MARKET - COUNTRY ANALYSIS**

### 10.1 North America

10.1.1 North America Serial Console Server Market - Revenue and Forecast Analysis - by Country

10.1.1.1 North America Serial Console Server Market - Revenue and Forecast Analysis - by Country

10.1.1.2 United States: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.2.1 United States: North America Serial Console Server Market Share - by Ports

10.1.1.2.2 United States: North America Serial Console Server Market Share - by Application

10.1.1.2.3 United States: North America Serial Console Server Market Share - by End Use Industry

10.1.1.3 Canada: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.3.1 Canada: North America Serial Console Server Market Share - by Ports

10.1.1.3.2 Canada: North America Serial Console Server Market Share - by Application

10.1.1.3.3 Canada: North America Serial Console Server Market Share - by End Use Industry

10.1.1.4 Mexico: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.4.1 Mexico: North America Serial Console Server Market Share - by Ports

10.1.1.4.2 Mexico: North America Serial Console Server Market Share - by Application

10.1.1.4.3 Mexico: North America Serial Console Server Market Share - by End Use Industry

## **11. COMPETITIVE LANDSCAPE**

- 11.1 Heat Map Analysis by Key Players
- 11.2 Company Positioning & Concentration

## **12. INDUSTRY LANDSCAPE**

- 12.1 Overview
- 12.2 Market Initiative
- 12.3 New Product Development
- 12.4 Awards and Recognition

## **13. COMPANY PROFILES**

- 13.1 Eaton Corp Plc
  - 13.1.1 Key Facts
  - 13.1.2 Business Description
  - 13.1.3 Products and Services
  - 13.1.4 Financial Overview
  - 13.1.5 SWOT Analysis
  - 13.1.6 Key Developments
- 13.2 Vertiv Group Corp.
  - 13.2.1 Key Facts
  - 13.2.2 Business Description
  - 13.2.3 Products and Services
  - 13.2.4 Financial Overview
  - 13.2.5 SWOT Analysis
  - 13.2.6 Key Developments
- 13.3 Hewlett Packard Enterprise Development LP
  - 13.3.1 Key Facts
  - 13.3.2 Business Description
  - 13.3.3 Products and Services
  - 13.3.4 Financial Overview
  - 13.3.5 SWOT Analysis
  - 13.3.6 Key Developments
- 13.4 Lantronix Inc.
  - 13.4.1 Key Facts
  - 13.4.2 Business Description
  - 13.4.3 Products and Services

- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments
- 13.5 Black Box Corporation
  - 13.5.1 Key Facts
  - 13.5.2 Business Description
  - 13.5.3 Products and Services
  - 13.5.4 Financial Overview
  - 13.5.5 SWOT Analysis
  - 13.5.6 Key Developments
- 13.6 ATEN International Co., Ltd.
  - 13.6.1 Key Facts
  - 13.6.2 Business Description
  - 13.6.3 Products and Services
  - 13.6.4 Financial Overview
  - 13.6.5 SWOT Analysis
  - 13.6.6 Key Developments
- 13.7 Opendgear, Inc.
  - 13.7.1 Key Facts
  - 13.7.2 Business Description
  - 13.7.3 Products and Services
  - 13.7.4 Financial Overview
  - 13.7.5 SWOT Analysis
  - 13.7.6 Key Developments
- 13.8 Perle Systems
  - 13.8.1 Key Facts
  - 13.8.2 Business Description
  - 13.8.3 Products and Services
  - 13.8.4 Financial Overview
  - 13.8.5 SWOT Analysis
  - 13.8.6 Key Developments
- 13.9 Raritan Inc.
  - 13.9.1 Key Facts
  - 13.9.2 Business Description
  - 13.9.3 Products and Services
  - 13.9.4 Financial Overview
  - 13.9.5 SWOT Analysis
  - 13.9.6 Key Developments
- 13.10 WTI - Western Telematic Inc

- 13.10.1 Key Facts
- 13.10.2 Business Description
- 13.10.3 Products and Services
- 13.10.4 Financial Overview
- 13.10.5 SWOT Analysis
- 13.10.6 Key Developments

## **14. APPENDIX**

- 14.1 Appendix
- 14.2 About The Insight Partners

## List Of Tables

### LIST OF TABLES

Table 1. North America Serial Console Server Market Segmentation

Table 2. List of Vendors

Table 3. North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Table 4. North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Ports

Table 5. North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Application

Table 6. North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by End Use Industry

Table 7. North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Country

Table 8. United States: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Ports

Table 9. United States: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 10. United States: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 11. Canada: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Ports

Table 12. Canada: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 13. Canada: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

Table 14. Mexico: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Ports

Table 15. Mexico: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 16. Mexico: North America Serial Console Server Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End Use Industry

## List Of Figures

### LIST OF FIGURES

- Figure 1. North America Serial Console Server Market Segmentation - Country
- Figure 2. PEST Analysis
- Figure 3. Ecosystem Analysis
- Figure 4. North America Serial Console Server Market - Key Market Dynamics
- Figure 5. Impact Analysis of Drivers and Restraints
- Figure 6. North America Serial Console Server Market Revenue (US\$ Million), 2021-2031
- Figure 7. North America Serial Console Server Market Share (%) - by Ports (2024 and 2031)
- Figure 8. Below 16: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 9. 16 to 32: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 10. 32 to 64: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 11. Above 64: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 12. North America Serial Console Server Market Share (%) - by Application (2024 and 2031)
- Figure 13. Network Infrastructure Management: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 14. Device Management: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 15. Remote Access: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 16. Security Management: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 17. Disaster Recovery: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 18. North America Serial Console Server Market Share (%) - by End Use Industry (2024 and 2031)
- Figure 19. IT and Telecom: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 20. BFSI: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 21. Healthcare: North America Serial Console Server Market - Revenue and

Forecast, 2021-2031 (US\$ Million)

Figure 22. Manufacturing: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 23. Retail: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 24. Others: North America Serial Console Server Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 25. North America Serial Console Server Market Breakdown, by Key Countries, 2024 and 2031 (%)

Figure 26. United States: North America Serial Console Server Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 27. Canada: North America Serial Console Server Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 28. Mexico: North America Serial Console Server Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 29. Heat Map Analysis by Key Players

Figure 30. Company Positioning & Concentration

## I would like to order

Product name: North America Serial Console Server Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

Product link: <https://marketpublishers.com/r/N6D3A0CFE378EN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N6D3A0CFE378EN.html>