

North America Micro Data Center Market Forecast to 2030 - Regional Analysis - By Rack Type (Single Rack and Multi Rack), Organization Size (Large Enterprises and SMEs), and End User (IT & Telecom, BFSI, Retail, Healthcare, Manufacturing, and Others)

<https://marketpublishers.com/r/NC19B77CEA06EN.html>

Date: February 2024

Pages: 84

Price: US\$ 3,550.00 (Single User License)

ID: NC19B77CEA06EN

Abstracts

The North America micro data center market was valued at US\$ 1,468.55 million in 2022 and is expected to reach US\$ 4,062.68 million by 2030; it is estimated to grow at a CAGR of 13.6% from 2022 to 2030.

Adoption of Edge Micro Data Centers Fuels the North America Micro Data Center Market

With the increased demand for instant data transfer in offices, data is taking longer to reach its destination. Most organizations depend on large, outsourced data centers, usually located far from their place of business. As data centers are placed further from the source, many users are experiencing latency and bandwidth issues. These factors can cause significant delays in data transfer, affecting businesses' productivity. To resolve this issue, edge micro data centers aim to bring data computing back to the source, thereby bridging the gap between the user and the cloud.

Edge micro data centers offer reduced latency and bandwidth use, which leads to increased productivity. They process important data at the client's end rather than the cloud end, offering fast results. By utilizing an edge micro data center, businesses can still benefit from the convenience of cloud computing without the latency issues. Modern edge micro data center solutions are much smaller and cheaper than full-size data centers, requiring less upkeep. There is no need to construct a specialized building to house the micro data center as it takes up approximately a square meter of office

space, and soundproofing options ensure no distractions to the workforce.

Various companies are providing micro data center solutions for edge computing. In October 2022, Vertiv, a provider of critical digital infrastructure, launched the Vertiv SmartCabinet 2M-a self-contained micro data center designed for edge computing applications. In addition, in August 2020, EdgeMicro launched five new micro data centers across the US. Moreover, micro data center providers are constantly making efforts to introduce their solutions in the market through various inorganic strategies. In September 2020, HPE, Schneider Electric, and StorMagic collaborated to develop 'Edge in a Box,' a micro data center that can be mounted on the wall to provide IT systems for edge environments. Therefore, the deployment of edge micro data centers is expected to fuel the North America micro data center market growth during the forecast period.

North America Micro Data Center Market Overview

The North America micro data center market is segmented into the US, Canada, and Mexico. North America is dominating the global market with the growing adoption of innovative technologies and rising digitization. The growth of edge computing in the region highlights the growing overlap between the data center and wireless worlds. Due to overlap, various companies in North America are entering into the data center business. In November 2021, the American Tower Corporation-the world's largest wireless infrastructure owner with more than 170,000 sites-acquired CoreSite. In the near future, micro data centers can be installed any place where high-speed connectivity is available.

The adoption of micro data centers in the retail industry is growing in the region. Retailers are progressively leveraging big data powered by machine learning to enhance consumer experience and improve manufacturing and logistics operations. Micro data centers compute and store resources closer to the end users to improve performance. In February 2020, the ALDO group used big data analytics to predict emerging trends and operational excellence. The increases in the adoption of analytics solutions further encourages retailers to implement micro data centers for storing resources, propelling the demand for micro data centers in the market in North America.

Market players are developing supportive solutions for micro data centers in the region. For instance, in March 2020, Vertiv Group launched UPS integrated with lithium-ion batteries in North America. As the lithium-ion batteries function at greater ambient temperatures and reducing expense for data center cooling. This solution aims to

reduce the maintenance cost of micro-edge data centers.

North America Micro Data Center Market Revenue and Forecast to 2030 (US\$ Million)

North America Micro Data Center Market Segmentation

The North America micro data center market is segmented by rack type, organization size, end user, and country.

Based on rack type, the North America micro data center market is bifurcated into single rack and multi rack. The single rack segment held a larger share in 2022.

Based on organization size, the North America micro data center market is bifurcated into large enterprises and SMEs. The large enterprises segment held a larger share in 2022.

Based on end user, the North America micro data center market is segmented into BFSI, retail, IT and telecom, manufacturing, healthcare, and others. The IT and telecom segment held the largest share in 2022.

Based on country, the North America micro data center market is segmented into US, Canada, and Mexico. The US dominated the North America micro data center market in 2022.

Hitachi Ltd, Rittal GmbH & Co KG, Legrand SA, Schneider Electric SE, Vertiv Group Corp, Eaton Corp Plc, Hewlett Packard Enterprise Development LP, Delta Electronics Inc, and Huawei Technologies Co Ltd are some of the leading companies operating in the North America micro data center market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. NORTH AMERICA MICRO DATA CENTER 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 or Suppliers
 - 4.3.4 End Users
 - 4.3.5 List of Vendors in Value Chain:

5. NORTH AMERICA MICRO DATA CENTER MARKET - KEY INDUSTRY DYNAMICS

- 5.1 North America Micro Data Center Market - Key Industry Dynamics
- 5.2 Market Drivers
 - 5.2.1 Advent of IoT, Big Data, Machine Learning, and AI
 - 5.2.2 Increasing Proliferation of Cloud-based Services
- 5.3 Market Restraints
 - 5.3.1 Lack of Awareness about Benefits of Micro Data Centers
- 5.4 Market Opportunities

- 5.4.1 Increasing Deployment of 5G Services
- 5.4.2 Increasing Focus on Environmentally Friendly Data Centers
- 5.5 Future Trends
 - 5.5.1 Edge Micro Data Centers
- 5.6 Impact of Drivers and Restraints:

6. MICRO DATA CENTER MARKET -NORTH AMERICA MARKET ANALYSIS

- 6.1 North America Micro Data Center Market Revenue (US\$ Million), 2022 - 2030
- 6.2 North America Micro Data Center Market Forecast and Analysis

7. NORTH AMERICA MICRO DATA CENTER MARKET ANALYSIS - RACK TYPE

- 7.1 Single Rack
 - 7.1.1 Overview
 - 7.1.2 Single Rack Market Revenue, and Forecast to 2030 (US\$ Million)
- 7.2 Multi Rack
 - 7.2.1 Overview
 - 7.2.2 Multi Rack Market Revenue, and Forecast to 2030 (US\$ Million)

8. NORTH AMERICA MICRO DATA CENTER MARKET ANALYSIS - ORGANIZATION SIZE

- 8.1 Large Enterprises
 - 8.1.1 Overview
 - 8.1.2 Large Enterprises Market Revenue, and Forecast to 2030 (US\$ Million)
- 8.2 SMEs
 - 8.2.1 Overview
 - 8.2.2 SMEs Market Revenue, and Forecast to 2030 (US\$ Million)

9. NORTH AMERICA MICRO DATA CENTER MARKET ANALYSIS - END USER

- 9.1 IT & Telecom
 - 9.1.1 Overview
 - 9.1.2 IT & Telecom Market Revenue, and Forecast to 2030 (US\$ Million)
- 9.2 BFSI
 - 9.2.1 Overview
 - 9.2.2 BFSI Market Revenue, and Forecast to 2030 (US\$ Million)
- 9.3 Retail

- 9.3.1 Overview
- 9.3.2 Retail Market Revenue, and Forecast to 2030 (US\$ Million)
- 9.4 Healthcare
 - 9.4.1 Overview
 - 9.4.2 Healthcare Market Revenue, and Forecast to 2030 (US\$ Million)
- 9.5 Manufacturing
 - 9.5.1 Overview
 - 9.5.2 Manufacturing Market Revenue, and Forecast to 2030 (US\$ Million)
- 9.6 Others
 - 9.6.1 Overview
 - 9.6.2 Others Market Revenue, and Forecast to 2030 (US\$ Million)

10. MICRO DATA CENTER MARKET - COUNTRY ANALYSIS

- 10.1 North America
 - 10.1.1 North America Micro Data Center Market Overview
 - 10.1.2 North America Micro Data Center Market Revenue and Forecasts and Analysis - By Country
 - 10.1.2.1 North America Micro Data Center Market Revenue and Forecasts and Analysis - By Country
 - 10.1.2.2 US Micro Data Center Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 10.1.2.2.1 US Micro Data Center Market Breakdown by Rack Type
 - 10.1.2.2.2 US Micro Data Center Market Breakdown by Organization Size
 - 10.1.2.2.3 US Micro Data Center Market Breakdown by End User
 - 10.1.2.3 Canada Micro Data Center Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 10.1.2.3.1 Canada Micro Data Center Market Breakdown by Rack Type
 - 10.1.2.3.2 Canada Micro Data Center Market Breakdown by Organization Size
 - 10.1.2.3.3 Canada Micro Data Center Market Breakdown by End User
 - 10.1.2.4 Mexico Micro Data Center Market Revenue and Forecasts to 2030 (US\$ Mn)
 - 10.1.2.4.1 Mexico Micro Data Center Market Breakdown by Rack Type
 - 10.1.2.4.2 Mexico Micro Data Center Market Breakdown by Organization Size
 - 10.1.2.4.3 Mexico Micro Data Center Market Breakdown by End User

11. INDUSTRY LANDSCAPE

- 11.1 Overview
- 11.2 Merger and Acquisitions
- 11.3 Market Initiatives

11.4 New Product Developments

12. COMPANY PROFILES

12.1 Hitachi Ltd

- 12.1.1 Key Facts
- 12.1.2 Business Description
- 12.1.3 Products and Services
- 12.1.4 Financial Overview
- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments

12.2 Rittal GmbH & Co KG

- 12.2.1 Key Facts
- 12.2.2 Business Description
- 12.2.3 Products and Services
- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments

12.3 Legrand SA

- 12.3.1 Key Facts
- 12.3.2 Business Description
- 12.3.3 Products and Services
- 12.3.4 Financial Overview
- 12.3.5 SWOT Analysis
- 12.3.6 Key Developments

12.4 Schneider Electric SE

- 12.4.1 Key Facts
- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments

12.5 Vertiv Group Corp

- 12.5.1 Key Facts
- 12.5.2 Business Description
- 12.5.3 Products and Services
- 12.5.4 Financial Overview
- 12.5.5 SWOT Analysis
- 12.5.6 Key Developments

- 12.6 Eaton Corp Plc
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Hewlett Packard Enterprise Development LP
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview
 - 12.7.5 SWOT Analysis
 - 12.7.6 Key Developments
- 12.8 Delta Electronics Inc
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 Huawei Technologies Co Ltd
 - 12.9.1 Key Facts
 - 12.9.2 Business Description
 - 12.9.3 Products and Services
 - 12.9.4 Financial Overview
 - 12.9.5 SWOT Analysis
 - 12.9.6 Key Developments

13. APPENDIX

- 13.1 About The Insight Partners
- 13.2 Word Index

List Of Tables

LIST OF TABLES

- Table 1. North America Micro Data Center Market Segmentation
- Table 2. North America Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Million)
- Table 3. North America Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Million) - Rack Type
- Table 4. North America Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Million) - Organization Size
- Table 5. North America Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Million) - End User
- Table 6. North America Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Country
- Table 7. US Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Rack Type
- Table 8. US Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Organization Size
- Table 9. US Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By End User
- Table 10. Canada Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Rack Type
- Table 11. Canada Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Organization Size
- Table 12. Canada Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By End User
- Table 13. Mexico Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Rack Type
- Table 14. Mexico Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By Organization Size
- Table 15. Mexico Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn) - By End User
- Table 16. @LIST OF Abbreviation

List Of Figures

LIST OF FIGURES

- Figure 1. North America Micro Data Center Market Segmentation, By Country
- Figure 2. PEST Analysis
- Figure 3. Ecosystem: North America Micro Data Center Market
- Figure 4. Impact Analysis of Drivers and Restraints
- Figure 5. North America Micro Data Center Market Revenue (US\$ Million), 2022 - 2030
- Figure 6. North America Micro Data Center Market Share (%) - Rack Type, 2022 and 2030
- Figure 7. Single Rack Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 8. Multi Rack Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 9. North America Micro Data Center Market Share (%) - Organization Size, 2022 and 2030
- Figure 10. Large Enterprises Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 11. SMEs Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 12. North America Micro Data Center Market Share (%) - End User, 2022 and 2030
- Figure 13. IT & Telecom Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 14. BFSI Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 15. Retail Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 16. Healthcare Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 17. Manufacturing Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 18. Others Market Revenue and Forecasts To 2030 (US\$ Million)
- Figure 19. North America Micro Data Center Market, By Key Country, 2022 (US\$)
- Figure 20. Micro Data Center Market Breakdown by Key Countries, 2022 and 2030 (%)
- Figure 21. US Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn)
- Figure 22. Canada Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn)
- Figure 23. Mexico Micro Data Center Market Revenue and Forecasts To 2030 (US\$ Mn)

I would like to order

Product name: North America Micro Data Center Market Forecast to 2030 - Regional Analysis - By Rack Type (Single Rack and Multi Rack), Organization Size (Large Enterprises and SMEs), and End User (IT & Telecom, BFSI, Retail, Healthcare, Manufacturing, and Others)

Product link: <https://marketpublishers.com/r/NC19B77CEA06EN.html>

Price: US\$ 3,550.00 (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/NC19B77CEA06EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970