

How many micro-module data centers are there



Overview

Micro-Modular Data Center Market Research Report 2033 Organizations supporting remote branch offices, disaster recovery sites, and instant data center requi.

Key Takeaways

The exact number of micro-module data centers worldwide is not publicly reported, but market data suggests thousands of units are deployed globally, with rapid growth driven by edge computing and modular infrastructure needs. Market Size and Growth

The global micro-modular data center market was valued at approximately \$3.45 billion in 2024 and is projected to reach \$18.16 billion by 2034, growing at a CAGR of 17.5% . Similarly, the micro mobile data center market reached \$4.9 billion in 2023 and is expected to grow to \$14.3 billion by 2032 . This growth reflects the increasing demand for edge computing, disaster recovery, and remote deployments.

Deployment Characteristics

Micro-module data centers are compact, pre-integrated units that typically support 100-150 kW of critical load . They are often rack-based or containerized, allowing rapid deployment in space-constrained or remote locations. Some units are mobile, while others are fixed but modular, enabling horizontal scaling across multiple sites .

Estimating the Number of Units



While no official global count exists, the market valuation and unit pricing suggest thousands of micro-module data centers are currently deployed worldwide. For example, considering the market size and typical unit costs, tens of thousands of individual micro-modular units may be in operation, particularly in North America, Europe, and Asia-Pacific, where edge computing and 5G infrastructure are expanding rapidly .

Key Applications

- Edge computing for low-latency processing near end users
- Disaster recovery and temporary deployments
- Remote offices and branch locations
- IoT and 5G infrastructure requiring distributed compute resources

Conclusion

Although an exact count of micro-module data centers is unavailable, the combination of market size, growth trends, and deployment patterns indicates that thousands of units are operational globally, with adoption accelerating due to edge computing, modularity, and rapid deployment needs . These units are increasingly critical for organizations seeking scalable, localized, and energy-efficient computing infrastructure.

Article Content

Micro-Modular Data Center Market Research Report 2033

Organizations supporting remote branch offices, disaster recovery sites, and instant data center requirements for business continuity

Global Micro Modular Data Center (MMDC) Market Size, Growth

The Micro Modular Data Center (MMDC) market represents a strategic evolution within the broader data center

Micro-Modular Data Centers Market Tracker – 2025 Omdia

This is the second edition of the Micro-Modular Data Centers Market report. This tracker will be updated annually. This

What Are Micro Data Centers and Why Are They Crucial in 2025?

Micro-modular systems resemble micro data centers but often contain multiple encapsulated IT cabinets in one unit.

How Many Data Centers Are There and Where Are They Being Built?

While the number of micro and small-sized data centers will decrease throughout the rest of the decade, the

Micro Data Center

Delta's modular datacenter solution offers a datacenter environment that provides safe equipment operations within the racks, and

Micro Data Centers: A Practical Guide for Small IT Teams

While there is no consensus on the size of a micro data center, most contain just a few racks and essential

The Intelligent Micro Module, the Element of Intelligent Data Centers

The Intelligent Micro Module can provide simultaneous, efficient operations in order to provide the best green data center, the best

Modular Data Centers: When They Work, and When They Don't

Modular data centers offer fresh opportunities for the industry, but that doesn't mean they are right for every occasion.

Top 10: Modular Data Centre Companies | Data Centre

Here we highlight the top 10 companies leading the modular data centre revolution, ranked

Micro Data Centers: Compact Powerhouses of Modern IT

A micro data center is a compact, self-contained computing environment designed to provide essential data center

How micro modular data centers simplify complex network routes

The projected growth of micro modular data centers positioned at the network edge can perform some processing

Modular Data Center Market Size & Share 2024

Modular data center market surpassed USD 18.8 billion in 2023 and is expected to showcase around 16.9% CAGR from 2024 to

Modular Data Centers: What They Are and What They Aren't

So, you need a data center, and using the cloud or a co-location facility just isn't an option. What are your choices?

Number of Data Centers by Country (November 2025)

As of November 2025, the United States has 5,427 data centers, making it the world's largest

Demand for prefabricated modular and micro data center ...

New Omdia research reveals that the market for prefabricated modular and micro data centers will reach \$11.7bn by

SMRs Power AI: \$10B Nuclear Data Center Revolution

Tech giants commit \$10B+ to small modular reactors for AI data centers. First SMR facilities online by 2030 to meet

The data centre

The data centre – from mega, to macro, to modular to micro – and what are the cost comparisons between traditional

Modular Data Center Market Size & Growth Drivers 2025 – 2031

Modular Data Center Market Analysis by Mordor Intelligence The Modular Data Center Market size was valued at USD

How Many Data Centers Are There and Where Are They Being Built?

ABI Research forecasts analyze the number of data centers being built worldwide. We segment the market outlook by

255 Data Center Stats (August-2026)

Data center stats you should know for 2025. A comprehensive list of 255 verified colocation and data center statistics

Micro Data Center Market Size & Share, Growth Analysis 2035

Micro Data Center Market Outlook: Micro Data Center Market size was valued at USD 15.62 billion in 2025 and is set

Modular Data Centers: An Ideal Solution for Digital Growth in the ...

This feature ensures rapid scalability that aligns with fluctuating demand. Crucially, modular data centers provide a foundational

Modular Data Center Market

[383 Pages Report] Modular data center market size, share, analysis, trends & forecasts. The global market for modular data center

Modular Data Center Market Size Worth \$81.56 Billion, Globally, by

/PRNewswire/ -- The global modular data center market share is set for explosive growth with a CAGR of 17.9%

Micro Modular Data Center (MMDC) Market Size And Projections

The market for micro modular data centers (MMDCs) is growing quickly because data is growing quickly and there is more demand

Modular Data Center Solutions | Dell USA

Deploy technology at the edge or anywhere your data is generated with modularized, integrated racks built outside traditional data

The Intelligent Micro Module, the Element of Intelligent Data Centers

The Intelligent Micro Module can provide simultaneous, efficient operations in order to provide the best green data center, the best

Modular Data Centers: When They Work, and When They Don't

Modular data centers offer fresh opportunities for the industry, but that doesn't mean they are right for every occasion.

Top 10: Modular Data Centre Companies | Data Centre

Here we highlight the top 10 companies leading the modular data centre revolution, ranked

Micro Data Centers: Compact Powerhouses of Modern IT

A micro data center is a compact, self-contained computing environment designed to provide essential data center

How micro modular data centers simplify complex network routes

The projected growth of micro modular data centers positioned at the network edge can perform some processing

Modular Data Center Market Size & Share 2024

Modular data center market surpassed USD 18.8 billion in 2023 and is expected to showcase around 16.9% CAGR from 2024 to

Modular Data Center Market Size, Share, & Forecast Analysis 2027

Modular Data Center was estimated at USD 15,474 Million in 2019 and anticipated to grow at a 15.9% CAGR during the forecast period.

18 Must-Know Data Center Statistics for 2026

Data centers could use 20% of the world's electricity by year-end. Three out of four data centers have experienced a cybersecurity

How Micro Data Centers Meet Edge Computing Requirements

Discover how micro data centers enable edge computing Want to learn more about how micro data centers can help

Micro Data Centers / Mini Data Centers

What is a Micro Data Center or Mini Data Center? Due to their compact design, micro data centers and mini data centers can be

Modular Data Centers: What They Are and What They Aren't

So, you need a data center, and using the cloud or a co-location facility just isn't an option. What are your choices?

Number of Data Centers by Country (November 2025) | Cargoson

As of November 2025, the United States has 5,427 data centers, making it the world's largest data center market by a

Demand for prefabricated modular and micro data center ...

New Omdia research reveals that the market for prefabricated modular and micro data centers will reach \$11.7bn by

SMRs Power AI: \$10B Nuclear Data Center Revolution

Tech giants commit \$10B+ to small modular reactors for AI data centers. First SMR facilities online by 2030 to meet

Micro-Modular Data Center Market Research Report 2033

Organizations supporting remote branch offices, disaster recovery sites, and instant data center requirements for business continuity

Global Micro Modular Data Center (MMDC) Market Size, Growth

The Micro Modular Data Center (MMDC) market represents a strategic evolution within the broader data center

Micro-Modular Data Centers Market Tracker – 2025 Omdia

This is the second edition of the Micro-Modular Data Centers Market report. This tracker will be updated annually. This

What Are Micro Data Centers and Why Are They Crucial in 2025?

Micro-modular systems resemble micro data centers but often contain multiple encapsulated IT cabinets in one unit.

How Many Data Centers Are There and Where Are They Being Built?

While the number of micro and small-sized data centers will decrease throughout the rest of the decade, the

Micro Data Center

Delta's modular datacenter solution offers a datacenter environment that provides safe equipment operations within the racks, and

Micro Data Centers: A Practical Guide for Small IT Teams

While there is no consensus on the size of a micro data center, most contain just a few racks and essential

Micro Mobile Data Center Market Size, Growth & Share Analysis 2031

The micro mobile data center market is defined as compact, self-contained data center infrastructure that can be

Micro Modular Data Center (MMDC) Market Size And Projections

A micro modular data center (MMDC) is a self-contained, pre-made, and highly integrated computing solution that has all the parts of

The Future of Micro-Modular Data Centers: Agile, Intelligent, and ...

This article explores the growth drivers, technological advancements, and future trends shaping micro-modular data centers.

Micro-Modular Data Center Market Research Report 2033

Organizations supporting remote branch offices, disaster recovery sites, and instant data center requirements for business continuity

Global Micro Modular Data Center (MMDC) Market Size, Growth

The Micro Modular Data Center (MMDC) market represents a strategic evolution within the broader data center

Micro-Modular Data Centers Market Tracker – 2025 Omdia

This is the second edition of the Micro-Modular Data Centers Market report. This tracker will be updated annually. This

What Are Micro Data Centers and Why Are They Crucial in 2025?

Micro-modular systems resemble micro data centers but often contain multiple encapsulated IT cabinets in one unit.

How Many Data Centers Are There and Where Are They Being Built?

While the number of micro and small-sized data centers will decrease throughout the rest of the decade, the

Micro Data Center

Delta's modular datacenter solution offers a datacenter environment that provides safe equipment operations within the racks, and

Micro Data Centers: A Practical Guide for Small IT Teams

While there is no consensus on the size of a micro data center, most contain just a few racks and essential

Micro Mobile Data Center Market Size, Growth & Share Analysis 2031

The micro mobile data center market is defined as compact, self-contained data center infrastructure that can be

Micro Modular Data Center (MMDC) Market Size And Projections

A micro modular data center (MMDC) is a self-contained, pre-made, and highly integrated computing solution that has all the parts of

The Future of Micro-Modular Data Centers: Agile, Intelligent, and ...

This article explores the growth drivers, technological advancements, and future trends shaping micro-modular data centers.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: <https://jewelbluimages.co.za>

Technical inquiry: <https://jewelbluimages.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

