How much does a micro-module computer room cost



Overview

See what a data center really costs in 2026, from build price per megawatt to monthly operating costs.

Key Takeaways

A micro-module computer room typically costs between $50,000 and $200,000, depending on size, power capacity, and customization.Overview

A micro-module computer room, or micro modular data center, is a compact, self-contained IT facility that integrates servers, power backup, cooling, security, and monitoring into a single pre-fabricated unit . These units are ideal for small offices, retail branches, healthcare clinics, telecom base stations, or any location with limited space or a need for rapid deployment .

Factors Affecting Cost
• Size and Number of Cabinets: Most micro-modules range from 1 to 10 cabinets, with each cabinet providing a certain number of “U” spaces for servers. More cabinets increase both capacity and cost .

• Power Capacity: Units typically offer 3 kVA to 20 kVA. Higher power requirements for critical systems, such as healthcare or financial applications, increase the price .

• Cooling and Environmental Controls: Integrated cooling systems, humidity control, and leak detection add to the cost but improve efficiency and reliability .

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

• Deployment and Customization: Pre-integrated, factory-tested units reduce on-site labor and construction costs, but custom configurations or ruggedized designs for industrial environments can raise the price .

• Optional Features: Remote monitoring, advanced security, and energy-efficient UPS systems may also affect the total cost .
Cost Comparison and Savings
• Upfront Costs: Micro-modules are significantly cheaper than traditional data centers, which can cost millions of dollars per megawatt .

• Construction Savings: Prefabrication reduces on-site labor and construction time by up to 90%, and space requirements can be reduced by up to 80% .

• Operational Savings: Efficient cooling and low PUE (as low as 1.4) reduce energy bills, making the total cost of ownership lower over time .
Typical Price Range
• Small office or single-cabinet unit: Approximately $50,000–$80,000

• Medium deployment (3–5 cabinets, 10 kVA): Around $100,000–$150,000

• Larger or industrial-grade units (up to 10 cabinets, 20 kVA): Can reach $200,000 or more
Conclusion

The cost of a micro-module computer room varies widely based on capacity, power, cooling, and customization. While the initial investment is lower than traditional data centers, the real advantage lies in rapid deployment, space efficiency, and long-term operational savings. For precise pricing, it is recommended to consult vendors with your specific requirements, as modular solutions can be tailored to different environments and workloads .

Article Content

How Much Does IT Cost to Build a Micro Modular Data Center?

For businesses, organizations, and even remote sites, the search for a faster, more efficient alternative has led many

Micro Data Centers: A Practical Guide for Small IT Teams

Learn what a micro data center is, why it may suit your business, and how to build one without the cost and

How Much Does a Data Center Cost? The Complete Guide To 2026

See what a data center really costs in 2026, from build price per megawatt to monthly operating costs. A clear

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Micro Data Center Companies | Containerized DC Solutions ...

Installation of the small micro data center can cost around 400-500$ per sq. foot to construct, this is apart from the

Modular Building Cost Per Square Foot: 2026 Buyer''s Guide

At the time of writing (2026), the cost of a modular building is around $50 to $300 per square foot. This should only be

Micro Data Center Cost: Key Pricing Factors

Selecting the right micro data center solution requires a strategic evaluation beyond price alone. B2B buyers must assess technical

Data Center Operating Costs: Complete Guide (2026)

Explore data center operating costs in this complete guide. Learn key expenses, cost drivers, and ways to optimize

Throttled (429)

Kickstarter exists to help bring creative projects to life. A home for film, music, art, theater, games, comics, design, photography, and

What is a micro-module computer room

The micro-module computer room divides the data center site into micro-modules in accordance with industry

LinkedIn Learning: Online Training Courses & Skill Building

Accelerate skills & career development for yourself or your team | Business, AI, tech, & creative skills | Find your LinkedIn Learning

A Comprehensive Guide to Datacenter Cost and Budgeting

Discover essential insights on datacenter costs and budgeting strategies to optimize your investments. Read the guide to enhance

Modular Cleanroom Cost Per Square Foot: Complete 2026 Guide

This comprehensive guide by Deiiang™ provides clear cost ranges, influencing factors, and practical budget

Indiegogo

Indiegogo is where amazing projects come to life. Easily manage crowdfunding and pledge managers.

Micro Data Centers: A Practical Guide for Small IT Teams

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Learn what a micro data center is, why it may suit your business, and how to build one without the cost and

Costs and Requirements To Setup and Build A Server Room

In Conclusion As you can see, building a server room is a large investment of time, money, and effort. In addition to

Biology 2e

Study biology online for free by downloading OpenStax''s college Biology 2e book and using our accompanying online resources

How Much Does a Modular Cleanroom Cost? Pricing Guide

Learn how much a modular cleanroom costs, including price per square foot, key cost factors, and budgeting tips for

What Is the Price of CRAC Units?

The cost of the computer room air conditioner units (CRAC units) varies on brand, capacity and

CES

CES® is the most powerful tech event in the world — the proving ground for breakthrough technologies and global innovators.

Quora

Quora is a place to gain and share knowledge. It''s a platform to ask questions and connect with people who contribute unique

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing, IoT World Today combine with TechTarget Our editorial mission continues, offering

Computer Enclosure Room Modular Wall Systems

Starrco''s computer enclosure rooms are a solid & secure way to use our modular wall systems for IT applications. Get a quote on

Understanding modular clean room costs: A complete breakdown

What drives modular clean room cost and why the numbers can vary. Modular clean rooms have quickly become the

Cost of a Modular Cleanroom per Square Foot | MECART Cleanrooms

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Home / Learning center / Cost of a Cleanroom per Square Foot – How much does a Modular Cleanroom Cost Cost of a Cleanroom

Shop Office Desks, Office Chairs & Storage

Shop for modern office furniture at National Business Furniture. Browse office desks, office & lounge chairs, reception desks, storage

How Much Does Micro Center Charge to Build a PC ...

Micro Center''s PC build service provides factory-assembled peace of mind — at a defined hourly rate that adds real cost to any build

Example Domain

Example Domain This domain is for use in documentation examples without needing permission. Avoid use in operations. Learn more

Throttled (429)

Kickstarter exists to help bring creative projects to life. A home for film, music, art, theater, games, comics, design, photography, and

What is a micro-module computer room

The micro-module computer room divides the data center site into micro-modules in accordance with industry

LinkedIn Learning: Online Training Courses & Skill Building

Accelerate skills & career development for yourself or your team | Business, AI, tech, & creative skills | Find your LinkedIn Learning

A Comprehensive Guide to Datacenter Cost and Budgeting

Discover essential insights on datacenter costs and budgeting strategies to optimize your investments. Read the guide to enhance

Modular Cleanroom Cost Per Square Foot: Complete 2026 Guide

This comprehensive guide by Deiiang™ provides clear cost ranges, influencing factors, and practical budget

Indiegogo

Indiegogo is where amazing projects come to life. Easily manage crowdfunding and pledge managers.

XBOX games

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Experience the new generation of games and entertainment with XBOX. Play XBOX games and stream video on all your devices.

The Best Windows Mini PCs We''ve Tested for 2026

Some are bare-bones kits. Others are ready to go out of the box, complete with an

Prefabricated Cleanroom Cost: Pricing by Class | Labs USA

How much does a prefabricated cleanroom cost? Modular cleanroom pricing by ISO class, size, and configuration,

Micro Data Centers: A Practical Guide for Small IT Teams

Learn what a micro data center is, why it may suit your business, and how to build one without the cost and

Costs and Requirements To Setup and Build A Server Room

In Conclusion As you can see, building a server room is a large investment of time, money, and effort. In addition to

Biology 2e

Study biology online for free by downloading OpenStax''s college Biology 2e book and using our accompanying online resources

How Much Does a Modular Cleanroom Cost? Pricing Guide

Learn how much a modular cleanroom costs, including price per square foot, key cost factors, and budgeting tips for

How Much Does IT Cost to Build a Micro Modular Data Center?

For businesses, organizations, and even remote sites, the search for a faster, more efficient alternative has led many

Micro Data Centers: A Practical Guide for Small IT Teams

Learn what a micro data center is, why it may suit your business, and how to build one without the cost and

How Much Does a Data Center Cost? The Complete Guide To 2026

See what a data center really costs in 2026, from build price per megawatt to monthly operating costs. A clear

Micro Data Center Companies | Containerized DC Solutions ...

Installation of the small micro data center can cost around 400-500$ per sq. foot to construct, this is apart from the

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Modular Building Cost Per Square Foot: 2026 Buyer''s Guide

At the time of writing (2026), the cost of a modular building is around $50 to $300 per square foot. This should only be

Micro Data Center Cost: Key Pricing Factors

Selecting the right micro data center solution requires a strategic evaluation beyond price alone. B2B buyers must assess technical

Data Center Operating Costs: Complete Guide (2026)

Explore data center operating costs in this complete guide. Learn key expenses, cost drivers, and ways to optimize

How Much Does a Modular Office Building Cost? A Simple Guide

This is a guide to modular office building costs. Learn about the various factors that contribute to overall costs.

Micro Data Center Cost 2026: Pricing & Trends

Explore micro data center cost trends for 2026. Compare pricing across edge nodes, integrated cabinets, and liquid

Raised Floor Budget Pricing | Access Flooring Cost Guide

Explore Pro Access Floors'' budget pricing guide for raised access flooring systems. Get estimated costs for computer floors, panels,

How Much Does IT Cost to Build a Micro Modular Data Center?

For businesses, organizations, and even remote sites, the search for a faster, more efficient alternative has led many

Micro Data Centers: A Practical Guide for Small IT Teams

Learn what a micro data center is, why it may suit your business, and how to build one without the cost and

How Much Does a Data Center Cost? The Complete Guide To 2026

See what a data center really costs in 2026, from build price per megawatt to monthly operating costs. A clear

Micro Data Center Companies | Containerized DC Solutions ...

Installation of the small micro data center can cost around 400-500$ per sq. foot to construct, this is apart from the

Modular Building Cost Per Square Foot: 2026 Buyer''s Guide

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

At the time of writing (2026), the cost of a modular building is around $50 to $300 per square foot. This should only be

Micro Data Center Cost: Key Pricing Factors

Selecting the right micro data center solution requires a strategic evaluation beyond price alone. B2B buyers must assess technical

Data Center Operating Costs: Complete Guide (2026)

Explore data center operating costs in this complete guide. Learn key expenses, cost drivers, and ways to optimize

How Much Does a Modular Office Building Cost? A Simple Guide

This is a guide to modular office building costs. Learn about the various factors that contribute to overall costs.

Micro Data Center Cost 2026: Pricing & Trends

Explore micro data center cost trends for 2026. Compare pricing across edge nodes, integrated cabinets, and liquid

Raised Floor Budget Pricing | Access Flooring Cost Guide

Explore Pro Access Floors'' budget pricing guide for raised access flooring systems. Get estimated costs for computer floors, panels,

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

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

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved