



Adam Tas Corridor Energy

Construction Cost of Micro-Modular Data Center





Overview

Brownfield projects can trim costs by 10% to 15%, while Tier IV and AI-heavy builds can push budgets far higher as complexity increases. Modern data centers typically cost \$7M–\$12M per MW or \$600–\$1,100 per square foot to build. A Micro Modular data center is a self-contained, pre-built IT solution that packs everything you need—servers, power backup, cooling, security, and monitoring—into a compact, plug-and-play unit. Mechanical, electrical, and plumbing (MEP) systems consume as much as 50% of total budgets.



Construction Cost of Micro-Modular Data Center

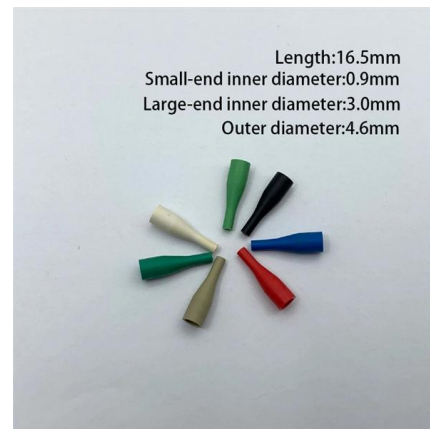


Data Center Construction Cost Guide

Data center construction cost in 2026 runs about \$7M-\$12M per MW or \$600-\$1,100 per square foot. Compare Tier III, Tier IV, and AI build costs.

How Much Does it Cost to Build a Data Center?

Dgtl Infra provides an overview of the components of building a data center, details the cost on a square footage- and megawatt-basis, and further



The rise of modular data centres

Whether you're looking to reduce costs, expand operations, or enhance edge computing capabilities, modular solutions provide a future-ready alternative to traditional data centres. At Zella



What Are Micro Data Centers and Why Are They Crucial

Micro data centers are part of the broader spectrum of prefabricated and modular data



center solutions. Understanding how they differ from other



Modular Data Centers: Prefabricated Containers and

These hyperscale data center operators are taking advantage of modular designs to achieve: time reductions for construction, cost savings, just-in

Micro Modular Data Centers: A Cost-Effective

Reduced Initial Capital Investment Micro modular data centers come as prefabricated units, with all critical components such as power supply and



What Is a Micro Data Center?

Micro-modular data center: Micro-modular data centers are also very similar to micro data centers, offering self-contained, stand-alone infrastructure.



Evolution of Data Center Design: Modular Construction

Discover how modular design transforms data centers, enhancing efficiency and sustainability in urban landscapes.



How much should a modular data center cost?

One of the advantages that modular data centers enjoy is lower build costs than traditional or legacy facilities. But this was not always the case and the capital cost of early modular

Data Center Construction Costs Explained

Data center construction costs millions. Don't let budget blindness catch you by surprise on your next build with this complete guide.



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

Here's where the Micro Modular data center shines, with verified industry data to back it up: Construction costs are 30% lower than traditional setups, thanks to prefabrication and minimal on



Data Center Construction: Costs, Timeline, and Delivery Steps

Data center construction builds secure facilities for servers, power, and cooling systems. Get costs, timelines, key steps, and tips to manage your project. Use this data center project plan



The Complete Guide to Modular Data Center Solutions

Reduced costs - Modular data centers also tend to be 30 percent less expensive than stick-built data centers. Off-site factory assembly reduces construction costs and eliminates issues, such as weather

Modular Data Centers: When They Work, and When

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

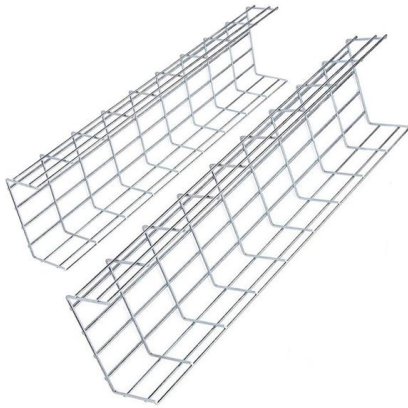
DATA ADJUSTABLE, EASY TO USE



SET INCREASE DECREASE POWER SWITCH

What Does It Cost to Build a Data Center in 2026?

Cost to Build a Data Center in 2026, including pricing per MW, key cost drivers, and ROI strategies to build faster, smarter, and more efficiently.



The Modular Data Center Ultimate Guide

Modular data centers offer rapid deployment, scalability, and flexibility, making them a practical choice for businesses needing to adapt to increasing IT



Modular Data Center Cost: CAPEX, OPEX & Timeline Drivers

What actually drives modular data center pricing? A framework for understanding CAPEX, OPEX, and timeline -- plus the 5 inputs you need before any quote.

Micro Data Center Market Skyrockets to \$11.93 Billion by 2031

With projected growth to \$11.93 billion by 2031, the Micro Data Center Market represents a significant opportunity for component providers, system technology integrators, investors, system



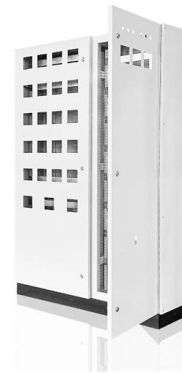


Modular Data Center Market Size , Industry Report, 2030

Organizations are seeking flexible and cost-effective alternatives to traditional data centers, and modular data centers provide a compelling solution through their

Modular Data Centers That Propel Innovation

The traditional data center tipping point While advancements in artificial intelligence, edge and high-performance computing help drive innovation across industries, they also put the squeeze on

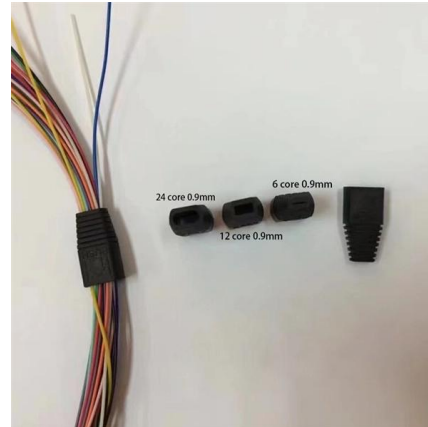


Why Modular Data Centers Are Gaining Momentum

AI is Driving the Next Frontier for Modular Construction Modular construction has transformed several industries, including healthcare and

Data Center Construction Costs 2026: \$/MW, \$/sqft & Drivers

2026 data center build costs by capacity, region, and tier. Why \$/MW is climbing, how labor and power are reshaping budgets, and what GCs are quoting now.



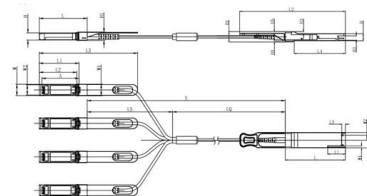
MDC Presentation MB

Designing electrical systems for prefabricated modular data centers presents several unique challenges due to their modular, pre-assembled nature and the need for scalability, efficiency, and reliability.



Modular Data Center Market Size & Growth Drivers

Modular Data Center Market Analysis by Mordor Intelligence The Modular Data Center Market size was valued at USD 41.35 billion in 2025 and is



Unit mm

QSP28	L	L1	L2	L3	L4	W	W1	W2	H	H1	H2	H3	H4	H5	H6
Max	72.2	-	128	4.35	61.4	18.45	-	6.2	8.6	12.4	5.35	2.5	1.6	2.0	-
Type	72.0	-	4.20	61.2	18.35	-	-	8.5	12.2	5.2	2.3	1.5	1.8	6.55	-
Min	68.8	16.5	124	4.05	61.0	18.25	2.2	5.8	8.4	12.0	5.05	2.1	1.3	1.6	-

SFP28	L	L1	L2	L3	W	W1	W2	H	H1	A
Max	57.6	47.7	44.55	119.9	13.8	14.0	12.3	8.7	10.3	45.25
Type	57.4	47.5	44.35	117.9	13.55	13.5	12.1	8.5	10.1	45
Min	57.2	47.3	44.15	115.9	13.3	13.6	11.9	8.4	9.9	44.65

Data Center Cost Breakdown: Full CapEx & OpEx

Introduction Data centers aren't cheap to build, but what drives the cost? This article outlines a full breakdown for a mid-sized (5,000 sq ft, ~800 kW





Micro-modular data centers set to multiply

Edge computing is driving demand for micro-modular data centers, which are prefabricated IT facilities encapsulated in their own protective shell.



Data Center Construction Costs Explained

Data center construction averages \$10-\$12 million per MW, with MEP systems consuming up to 50% of budgets. Land acquisition, labor, and hidden costs can

Breaking Down Data Center Cost: Building vs. Outsourcing

Wondering about Data Center Cost? Looking to build a data center? This article breaks down the main expenses, from building your own facility to outsourcing.



Modular Data Centers: What They Are and What They

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



Data Center Buildout Cost: Complete Pricing Guide

Data center cost per square foot: Construction costs now range from \$600 to \$1,100 per square foot for standard facilities. AI-ready data centers can push well beyond that.



Contact Us

For datasheets, pricing, or custom telecom energy solutions, please visit:
<https://koskolong.co.za>