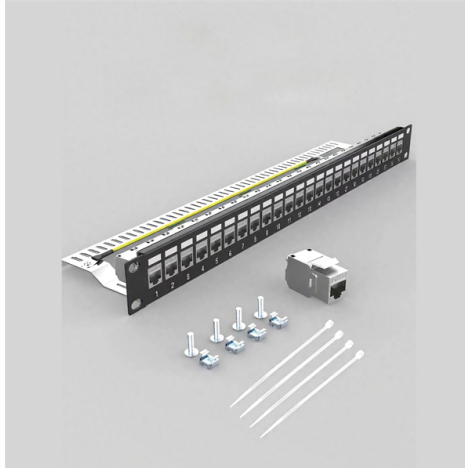


Modular Data Center Service Provider



Overview

Top 10: Modular Data Centre Companies Here we highlight the top 10 companies leading the modular data centre revolution, ranked by market leadership, Turnke.

Key Takeaways

Leading modular data center providers include Schneider Electric, Vertiv, Huawei, Eaton, ABB, STULZ, Rittal, Durata, BladeRoom, and Northstar, offering scalable, prefabricated, and rapidly deployable solutions.

Top Providers and Their Capabilities



1. Schneider Electric – A global leader in modular data centers, Schneider Electric offers the EcoStruxure portfolio, which includes prefabricated IT modules, power modules, and complete data halls. Their solutions are factory-tested, scalable, and designed for rapid deployment, supporting hyperscale, cloud, and AI-driven environments . 2. Vertiv – Vertiv provides SmartMod™ and MegaMod™ modular solutions, emphasizing rapid deployment, energy efficiency, and AI-ready infrastructure. Their prefabricated modules reduce on-site labor and allow flexible scaling for edge and hyperscale applications . 3. Huawei – Huawei's FusionModule series integrates power, cooling, and IT hardware with AI-driven management for predictive maintenance and energy optimization. Their all-in-one approach is suitable for global deployments, particularly in APAC and MEA markets . 4. Eaton – Eaton focuses on power resilience with modular power rooms, UPS, and PDUs. Their solutions are ideal for AI, machine learning, and edge computing workloads, ensuring reliable and efficient power distribution . 5. ABB – ABB leverages its expertise in electrification and automation to deliver industrial-grade modular data centers. Their systems integrate medium-voltage to rack-level power infrastructure, providing high reliability for mission-critical applications . 6. STULZ – Specializing in precision climate control, STULZ offers modular units built around advanced cooling technology, ensuring thermal stability and energy efficiency for high-density computing environments . 7. Rittal – Rittal provides standardized, scalable modular enclosures with integrated power and cooling, enabling predictable performance and rapid deployment from single racks to containerized data centers . 8. Durata – UK-based Durata delivers bespoke modular solutions, from micro data centers to containerized systems, managing the full project lifecycle from design to commissioning . 9. BladeRoom Data Centres – BladeRoom focuses on energy-efficient, factory-built modular data centers with advanced cooling techniques, reducing on-site construction time and improving quality control . 10. Northstar Enterprise + Defense – Northstar specializes in mobile and ruggedized modular data centers for defense, telecom, AI/ML, and emergency operations, suitable for remote or austere environments .

Additional Providers

Other notable companies include CenCore, Mission Critical Group (MCG), SLB, Silent-Aire, and Integra, which offer modular, containerized, and micro data center solutions with rapid deployment, high-density cooling, and secure infrastructure for hyperscale, edge, and government applications .

Key Advantages of Modular Data Centers

- **Rapid Deployment:** Factory-built modules reduce construction time by up to 40% compared to traditional builds .
- **Scalability:** Capacity can be expanded by adding modules as demand grows .
- **Energy Efficiency:** Advanced cooling and power management reduce operational costs and improve PUE .

- **Flexibility:** Solutions range from micro data centers for edge computing to multi-megawatt hyperscale campuses .
- **Security and Compliance:** Many providers offer TEMPEST, IL4-IL6, and RF-shielded options for sensitive workloads . These providers collectively enable organizations to deploy modular data centers quickly, efficiently, and reliably, supporting modern digital infrastructure needs across enterprise, hyperscale, and edge environments.

Article Content

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Modular data centers from MCG deliver prefabricated, scalable solutions including containerized and custom designs to reduce cost

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

