

Ranking of Data Center Micro-Module Manufacturers



Overview

10 IoT Module Manufacturers in 2026 This section provides an overview for IoT modules as well as their applications and principles.

Key Takeaways

Top micro-module data center manufacturers include Dell Technologies, Hewlett Packard Enterprise (HPE), Schneider Electric, Huawei, Vertiv, Eaton, and IBM, recognized for rapid deployment, scalability, and energy-efficient modular solutions. Leading Manufacturers and Key Highlights

- Dell Technologies – Dell offers highly economical and energy-efficient modular data centers (MDCs) with prefabricated modules that reduce deployment time. They have over 14 years of experience, 500 global deployments, and more than 750,000 servers installed, making them a leader in sustainability and operational efficiency .
- Hewlett Packard Enterprise (HPE) – HPE provides pre-configured AI and high-performance computing (HPC) modular data centers. Their solutions are flexible, scalable, and optimized for hybrid cloud and edge computing, with a strong “pay-as-you-grow” model for cost efficiency .
- Schneider Electric – A global leader with end-to-end integration of power, cooling, racks, and DCIM. Schneider Electric focuses on sustainable, scalable modular data centers across hyperscale, edge, and enterprise markets, leveraging its EcoStruxure platform .

- Huawei Technologies – Huawei's FusionModule series integrates power, cooling, IT, and AI-driven management. It is particularly strong in APAC and MEA markets, offering cost-competitive, fast-to-deploy prefabricated modules .
- Vertiv – Known for prefab modular blocks and rapid deployment, Vertiv emphasizes edge and multi-megawatt campus solutions. Their SmartMod™ systems integrate cooling and power for reliable core-to-edge operations .
- Eaton – Specializes in power resilience with UPS, PDUs, and modular power rooms. Eaton's modular data centers are designed for AI/ML workloads and rapid edge deployment, ensuring electrical robustness .
- IBM – Offers modular solutions with a focus on enterprise-grade reliability, integrating servers, storage, and networking in prefabricated units suitable for scalable deployments .

Additional Notable Players

- Rittal – German engineering firm providing precision-engineered, scalable modular systems with strong industrial enclosure and climate control expertise .
- STULZ – Experts in thermal management, delivering ultra-efficient modular enclosures for high-density compute environments .
- Durata – UK-based company offering end-to-end turnkey modular solutions, from micro data centers to containerized systems .
- BladeRoom Data Centres – British innovator focusing on energy-efficient, rapidly deployable modular data centers with advanced cooling techniques .
- Northstar Enterprise + Defense – Specializes in mobile and modular systems for AI/ML, telecoms, and government applications, suitable for remote or austere environments .

Market Trends

- Rapid Deployment – Prefabricated modules allow faster assembly and scalability compared to traditional data centers.
- Energy Efficiency – Advanced cooling and power integration reduce operational costs and environmental impact.
- Edge and AI-Ready – Many manufacturers focus on edge computing and AI workloads, providing high-density, resilient solutions.
- Global Reach – Leading companies offer worldwide deployment capabilities, supporting hybrid cloud and multi-region strategies. This ranking reflects a combination of market leadership, innovation, deployment speed, and global scale, making these manufacturers the most influential in the micro-module and modular data center sector .

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