

Delta Micro Module Construction Solution



AI Overview

Delta's micro module solutions provide highly integrated, space-efficient, and rapidly deployable modular data centers for enterprise and small-scale IT environments. Overview Delta offers a range of micro module and modular data center solutions designed to optimize IT infrastructure deployment in constrained spaces while ensuring high reliability, energy efficiency, and rapid construction. Key solutions include Delta InfraSuite, MDC Series, and Xubus Node, each tailored for different IT loads, space constraints, and deployment scenarios.

Delta InfraSuite Micro Data Center
Design: Uses racks as the datacenter carrier, integrating UPS, cooling, power distribution, lightning protection, fire control (optional), wiring, airflow management, and intelligent monitoring.
Power Capacity: Supports up to 20kVA per solution, suitable for micro datacenters under 50 square meters.
Advantages: Quick deployment, minimal space usage, high reliability, and support for converged or hyper-converged IT infrastructure. Pre-fabricated components ensure consistent quality and rapid implementation.
Applications: Ideal for small businesses, regional offices, or environments requiring compact, high-efficiency IT setups.

MDC Series Micro Module
Design: Single-row cabinet layout with a height of only 2 meters, allowing installation in office buildings with low ceilings or irregular spaces.
Cooling: Uses a compressor/fluorine pump system with low-temperature and extended components, capable of handling negative drops up to 20 meters between indoor and outdoor units.
Performance: Meets national standard GB50174-A, B, C, equivalent to Tier 3 UPS reliability, ensuring uninterrupted operation.
Efficiency: Achieves $PUE \leq 1.2$, surpassing national energy efficiency standards, with intelligent dynamic cooling and real-time temperature monitoring.
Deployment: Over 90% prefabricated, enabling faster construction and accelerated ROI for enterprise-level users.

Xubus Node Prefabricated Modular Data Center
Design: Offsite-built, plug-and-play modula...

Article Content

InfraSuite | Modular Data Center Infrastructure

Integrated Monitoring for Enhanced Control Delta's Data Center Infrastructure Management (DCIM) systems provide centralized monitoring and management

Delta InfraSuite Micro Data Center

Delta's MDC is specially designed to prevent this by using transparent thermal insulation material in addition to glass front door. This helps to keep front glass door temperature above dew point so that

Solutions

Delta InfraSuite Datacenter Infrastructure Solutions with its integrated design and scalable system architecture supports customers in building an optimal

MDC | Compact Micro Data Center

What Makes a Micro Data Center the Ideal Solution? A micro data center is a compact, self-contained infrastructure solution that integrates compute

Micro and Modular Data Center Construction

Micro and modular data centers offer businesses and organizations an agile, scalable, and cost-effective solution to meet growing IT

Delta Debuts Prefabricated AI Modular Data Center Solution at

Key highlights at the Delta booth at COMPUTEX 2026 include: Prefabricated AI Data Center Solutions AI Modular Data Center With a modular design approach, power, cooling, piping

MDC| Prefabricated Data Center

The Delta Xubus Node is a prefabricated modular data center designed to meet this need—offering an offsite-built, plug-and-play solution that combines power

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Products

As a global leader in thermal and power management solutions, Delta has further strengthened its leading position in data center infrastructure with a complete

Computing Services

Delta has achieved high applicability, rapid establishment, and high energy efficiency according to the requirements of China's telecommunication industry,

MDC | Compact Micro Data Center

A micro data center is a compact, self-contained infrastructure solution that integrates compute resources, storage, power distribution, cooling systems, and

Micro Data Center

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

Solutions

Micro Data Center Delta InfraSuite is a new generation, highly integrated modular datacenter solution. It uses racks as the datacenter carrier and fully integrates all

Containerized Data Center

Following the growing applications for edge computing, Delta is introducing a new generation of Containerized Data Center Solutions with flexible power and

MDC| Prefabricated Data Center

Available in five IT load configurations from 18 to 90kW, this modular data center supports fast rollout, high reliability, and seamless integration—ideal for large

Modular telecom data centers: A win-win in a rapidly evolving market

Examples include: A. Micro or single-rack DCs such as Delta's Xubus Edge solution come with fully integrated sub-systems. These include uninterruptible power supplies, cooling, power distribution,

InfraSuite Micro Data Center Solution

Micro Data Center Delta InfraSuite is a new generation, highly integrated modular datacenter solution. It uses racks as the datacenter carrier and fully integrates all

Siemens and Delta power solutions cut data center

Addressing this challenge, Siemens Smart Infrastructure and Delta have formalized a global partnership to deliver prefabricated, modular power

InfraSuite Micro Data Center Solution

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

Delta InfraSuite – Tier 3 Data Center Solution

Delta Infrasuited is a tier 3 data center design solution for planning and building high performance data center rooms with an emphasis on energy efficiency.

Breaking space constraints with Delta's micro module data center in ...

With a “new force in the micro module world” that meets high reliability, energy saving, and high efficiency, enterprise-level users can easily set up data centers in office buildings and accelerate the

Solutions

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

Delta presents cutting-edge microgrid solutions for data centers and ...

Experience how Delta is shaping the future of energy conservation and resilience in data centers, utility grids and residential applications with its smart, sustainable solutions.

Delta Modular Datacenter Vari°ROW® Series | Delta

Comprehensive Micro DCIM Monitoring System DELTA's Micro Data Center Configurator: a simplified innovative solution for designing Micro Data Centers.

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Delta Modular DC – Top TIER Modular Data Center

In Delta Modular we understand that each and every client has its unique business models and needs. So we offer Custom Modular DC Development services to

Contact Us

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