

ZTE Modular Data Center



Overview

ZTE modular data center integrates all the subsystems including: cabinets, base, aisle containment, in-row cooling, power distribution cabinet, power supply, batteries, lightning protection, lighting and management system in one architecture. It supports cold/hot aisle. ZTE's Artificial Intelligence Data Center (AIDC) solution is a modular, prefabricated system designed to address infrastructure bottlenecks, offering capabilities far more than a standard mobile server container. Each unit is built on a modular steel frame, supports AI, High-Performance Computing. Chinese IT and connectivity solutions provider ZTE Corporation has launched a new modular AI data center solution. Called the AIDC Prefabricated Container Solution and launched at MWC Shanghai 2025, the container can support either 8kW air-cooled general computing cabinets, or 40kW liquid-cooled AI. Dual-mode – Each container module handles both general-purpose and AI computing with air or liquid cooling, offering flexibility for mixed workload environments. Energy efficient – A mix of chilled water cooling, cold plate technology and airflow management delivers a PUE as low as 1.15. Shanghai, China, 3 July 2025 – ZTE Corporation (0763). Held at Messe Frankfurt, the event marks ZTE's continued commitment to empowering global digital. To manage the rising power demands of AI, ZTE has integrated a number energy-saving cooling technologies in the new 'AIDC' solution.

Article Content

Modular Data Center-intelligent, economic, safe, green|ZTE

ZTE modular data center integrates all the subsystems including: cabinets, base, aisle containment, in-row cooling, power distribution cabinet, power supply, batteries, lightning protection, lighting and

ZTE Launches Modular AI Data Center for Fast Deployment

ZTE unveils its AIDC prefabricated data center container, engineered for AI, HPC, and cloud workloads. Designed for rapid deployment, high efficiency, and sustainability, the solution

ZTE unveils modular prefab AI data center container for edge workloads

The Chinese vendor is deploying modular, prefabricated data center units and AI-based power management, which she said reduce energy use and cooling loads by more than 10%.

Container Data Center-Highly reliable design provides

The container data center is integrated with the AC and DC power systems, HVAC systems, modular structure of enclosed hot and cold aisle, automatic fire control

ZTE Launches Modular Prefabricated AI Data Center Container

With the explosive growth of 5G and AI, the construction of data centers needs to be rapidly implemented and support flexible expansion. Currently, highly prefabricated data centers are

ZTE unveils next-gen AI data center s...

This platform expands ZTE's AI infrastructure offerings and provides a versatile solution for lightweight deployments beyond traditional data center

ZTE unveils AI data centre technologies

The display featured an integrated ecosystem of liquid-cooled cabinets, computing micro-modules, and containerised technology. With these, ZTE is hoping to be

ZTE's AI infrastructure and AI-powered terminals

The Chinese vendor is deploying modular, prefabricated data center units and AI-based power management, which she said reduce energy use and

Data center industry news, analysis, and opinion

Emma Strutton speaks with Steve Loeb of Eaton on AI-driven infrastructure, integrated power and cooling, modular building blocks, and

Introducing the Modular Cryogenic Platform

The Modular Cryogenic Platform is designed to support this by introducing a scalable, modular foundation that grows with the needs of quantum developers, HPC data centers, and

Best Data Center and Cloud Networking Reviews 2026

Find the top Data Center and Cloud Networking Solutions with Gartner. Compare and filter by verified product reviews and choose the software that's right for your organization.

Spain Data Center Market Share & Opportunities 2026-2033

Spain Data Center Market valued at USD 3.28 Bn in 2026, is anticipated to reaching USD 6.85 Bn by 2033, with a steady annual growth rate of 11.1%

Tesla files trademark for modular data center offering

Elon Musk's Tesla looks set to move into the containerized data center market, according to a new trademark application by the electric car company. As reported by Electreck and others,

Modular Data Center Structural Steel Skid Market Report 2026

The Modular Data Center Structural Steel Skid Market, valued at USD 1.52B in 2026, is projected to reach USD 2.43B by 2030, growing at a 12.6% CAGR.

Global Modular Data Centers Market Report 2023-2030

The global market for Modular Data Centers estimated at US\$23.5 Billion in the year 2022, is projected to reach a revised size of US\$93.3 Billion by 2030, growing at a CAGR of 18.8%

Mini Data Centers Market Share & Opportunities 2026

Why Do Rack-based Mini Data Centers Segment Dominate the Global Mini Data Centers Market in 2026? The rack-based mini data centers segment is

Modular Data Center Companies

Top Modular Data Center Companies, Leaders & Major Players Explore list of the top Modular Data Center companies based on extensive research conducted by Mordor Intelligence analysts and

Qualcomm Unveils Dragonfly Data Center Roadmap: C1000 CPU,

Qualcomm's Investor Day data center push: Dragonfly C1000 CPU, HBC, AI300 accelerator, the Modular acquisition, and a Meta CPU deal.

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

