

HD3 High Density Modular Data Center

Prefabricated modular data center infrastructure engineered for rapid deployment, extreme density, and scalable growth.



SPECIFICATIONS

-  **150 MW**
Total power capacity
-  **96 MW**
Total critical IT capacity
-  **100 kW/rack**
Rack density
-  **9N8**
Redundancy

KEY ADVANTAGES

- Complete prefabricated modular design for data hall, power, cooling, control, and administrative areas
- Coordinated factory fabrication, integration, and commissioning prior to field installation
- Standardized modular architecture supports rapid replication and scalable growth
- Flexible redundancy options include 2N, N+1, 4N/3, and 5N+1 configurations
- Standards alignment includes TIA-942, Uptime, AISC, ASCE, NFPA, ASHRAE TC 9.9, and ASHRAE 90.1 as applicable
- Integrated power + cooling
- Lower risk and reduced TCO

Let's talk about your next project.
sales@gwmodular.com



GW Modular
A DBM GLOBAL COMPANY

PREFABRICATED MODULE FAMILY, APPLICATIONS, STANDARDS & COMPLIANCE, AND DELIVERY MODEL

Precision-manufactured modules ensure quality and consistency. Prefabricated and pre-commissioned modules reduce schedule risk. Standardized modules support seamless replication and future expansion. Configurable architecture supports resilient uptime requirements. Modules are tested before delivery for accelerated go-live.

PREFABRICATED MODULE FAMILY

- ✓ Data hall: HAC-ready white-space module
- ✓ Power distribution: PDC and electrical distribution
- ✓ Mechanical: chiller and cooling infrastructure
- ✓ CDU: cooling distribution unit and water-piping module
- ✓ Battery: energy storage for UPS support
- ✓ Admin: office, control, and support space

APPLICATIONS

- ✓ Hyperscale data centers
- ✓ Colocation providers
- ✓ Enterprise data centers
- ✓ AI / high-density compute
- ✓ Mission-critical infrastructure

STANDARDS & COMPLIANCE

- ✓ TIA-942
- ✓ Uptime Tier Standard
- ✓ AISC 360 / AISC 341
- ✓ ASCE, NFPA as applicable
- ✓ ASHRAE TC 9.9 and 90.1

DELIVERY MODEL

- ✓ Engineered, fabricated, and integrated
- ✓ Factory tested and commissioned UL-L4
- ✓ Shipped, installed, and started up



DATA HALL

Integrated HAC/White Space Module



PDC

PDC and electrical distribution



MECHANICAL

Chiller and cooling infrastructure

INTEGRATED SITE CONCEPT

SYSTEM	QUANTITY	RATING
Data hall modules	144	HAC-ready white space
PDCs	54	-
MV transformers	54	-
Generators	54	3.3 MVA
Chillers	54	600 T (~28,800 tons total)
CDUs	144	1 MW
HAC systems	-	4 MW / HAC, 9N8 redundancy