DCV INDUSTRIES



PREFABRICATED EDGE
AI DATA CENTER

QUBE – AI EDGE

AI-Ready | Scalable
Fast to Deploy | Eco-Efficient.

Prefabricated AI all-in-one data centers are modular solutions designed to integrate all essential components of a data center into a single, compact unit. These centers are ideal for rapid deployment, edge computing, and scenarios requiring high efficiency and reliability.

An **Edge AI All-in-One Prefabricated Data Center (AIO Prefab DC)** is a modular and compact solution designed to support edge computing and AI workloads efficiently. These data centers integrate all essential components, such as power, cooling, and IT infrastructure, into a single prefabricated unit, making them ideal for rapid deployment and real-time data processing.

DCV strives to create business value for its customers through its broad range of services, including consultation, planning, design, engineering, implementation, maintenance, operation, monitoring and assessment.

Key Features

- Low mPUE for greatly improved efficiency
- Faster deployment with plug-and-play modular architecture
- Scalable capacity with ease of transportation and expansion
- 560 GPUs per Container
- Off-The Shelf solution for AI Processing
- High compatibility with all leading OEM Servers



Features

- **Integrated Systems**: Includes power, cooling, monitoring, and security systems in one unit.
- **Plug-and-Play Deployment**: Pretested and prefabricated for quick installation.
- **Energy Efficiency**: Smart cooling and power management reduce carbon emissions.
- **Durability**: Designed to withstand harsh environmental conditions, including earthquakes and extreme weather.
- **Scalability**: Modular design allows for easy expansion.





Applications

- **Edge Computing**: Supports real-time data processing closer to the source.
- **Disaster Recovery**: Rapidly deployable in emergency situations.
- **Industry-Specific Needs**: Suitable for sectors like government, education, finance, and telecommunications.

QUBE - AI, DCV's All-in-one AI ready prefab solution provides a powerful yet eco-friendly solution to rising data processing demands across various industries for AI. Ready to use Off-The-Shelf AI Datacenter is ready to accommodate up-to 556GPUs in single container.

Product Specification	DCV-QAI-50FT-N-AI-NN-RD-320KW	DCV-DM-40FT-N-AI-NN-RD-320KW	DCV-DPM-20/40FT-N1-400/1000K
Site Environment	Outdoor / Desert / Warehouse		
Product Type	All In One AI GPU Container DC	AI GPU Container DC Module	All In One Power Module
Container Dimension	15Mx 3.6M x 3.8M	12.1Mx 3.6M x 3.8M	12.1Mx 3.6M x 3.8M
Server Type	Super Micro/Dell	Super Micro/Dell	400KW to 1000KW
GPU/ Server	**8 GPUs**	**8 GPUs**	**NA**
GPU Type	**AMD Mi210**	**AMD Mi210**	**NA**
IT Power Load	**320KW**	**320KW**	**400KW to 1000KW**
No. of Racks	10 x 47U (600/800mm x 1200mm) Sever Racks 2 x 47U (800mm x 1200mm) Network Racks	10 x 47U (600/800mm x 1200mm) Sever Racks 2 x 47U (800mm x 1200mm) Network Racks	NA
Rack Power Density KW/Rack	Avg. 30KW (Max 60KW) (Server Rack) 5KW (Network Rack)	Avg. 30KW (Max 60KW) (Server Rack) 5KW (Network Rack)	NA
UPS	N+N	N/A (External Power Module)	N+N
Cooling Type	RDHX-CW (Rear Door Heat Exchanger) (N+1)		CW Room Cooling (N+1)
Fire Protection	Fire Suppression System		
Monitoring	DCIM + Leak Detection + Environmental Monitoring		
Security	4 x Indoor Camera + 4 x Outdoor Camera + NVR Pin + Card + Biometric Access Control		

Phone / Fax
Phone +971 50 273 3766
Fax +971 2 6455288

Location
Address : P.O. Box-34895, Plot 80A4, ICAD-1, Musaffah, Abu Dhabi

E-Mail
enquiry@dcvind.com