DCV INDUSTRIES



PREFABRICATED
MOBILE DATA CENTER

QUBE – MDC

Scalable | Fast to Deploy
Eco-Efficient

Mobile data centers, also known as containerized or portable data centers, are compact and flexible solutions designed to house all the essential components of a traditional data center within a portable structure, such as a shipping container. These centers are ideal for scenarios requiring rapid deployment, temporary setups, or operations in remote locations.

Mobile prefabricated data centers are modular solutions designed for portability and rapid deployment, making them ideal for edge computing, disaster recovery, and temporary setups in remote or challenging environments.

These data centers integrate all essential components, such as power, cooling, IT infrastructure, and monitoring systems, into a single prefabricated unit.

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

▸ **Portability:** Easily transported to different locations.

▸ **Rapid Deployment:** Can be operational within days, unlike traditional data centers that take months to set up.

▸ **Modularity:** Expandable to meet growing needs**.**

▸ **Energy Efficiency:** Designed with integrated cooling and power management systems.

▸ **Versatility:** Suitable for industries like telecommunications, defense, manufacturing, and disaster recovery.



APPLICATIONS

Edge Computing: Deploy computing power closer to data sources.

Disaster Recovery: Restore IT operations rapidly in crisis situations.

AI & HPC: Support AI inference and data-intensive workloads.



Defence & Military: Secure, mobile infrastructure for critical operations.

Enterprise Expansion: Scalable, portable computing for dynamic business needs.

Colocation & Hosting: Flexible on-demand data center capacity.

Event Management: Temporary IT infrastructure for large-scale events.

Product Specification	DCV-MDC-20FT-ISO -DC-N1-W-16KW	DCV-MDC-40FT-N -DC-NN-I-30KW	DCV-MDC-50FT-N -DC-NN-I-60KW
Site Environment	Outdoor / Desert / Warehouse		
Product Type	All In One Mobile Data center without Genset	Mobile AIO Data center including Genet Room Skid	
Container Dimension (LxWxH)	6Mx 2.4M x 2.9M	12.1Mx 3.25 M x 2.9M	15.0Mx 3.5M x 2.9M
Blast resistant	Level 3, cat.44 magnum 3 Shots as per UL 752 Ballistic standard		
EMI protection	Radio frequency shield system using 2 mm Galvanized Steel Shield system, to achieve 100 dB attenuation at 100 MHz plane wave.		
Fire Rating	Radio frequency shield system using 2 mm Galvanized Steel Shield system, to achieve 100 dB attenuation at 100 MHz plane wave.		
Anti-seismic	Optional (IT racks are compiled GR-63-CORE ZONE 4.)		
IT Power Load	**16KW**	**30KW**	**60KW**
No. of Racks	4	6	8
Power Density	4.0KW	5.0KW	7.5KW
No. of Power Input	2 (Utility + Gen set)	1 (Utility)	
Backup Genset	N/A	64KW Genset with 12Hrs fuel Storge (N+N)	120KW Genset with 12Hrs fuel Storge (N+N)
UPS	20KVA Modular UPS N+1	40KVA Modular UPS N+N	75KVA Modular UPS N+N
Battery runtime	20min	10min on Each UPS	
Cooling Type	Wall mounted Package Unti (N+1)	DX Based InRow Cooling unit	
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		

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Location

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