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Prefabricated Container Datacenter

SIMPLE GREEN SMART RELIABLE

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"QUBE" All-in-One Container (AIO) Datacenter

DCV strives to create business value for its customers through its broad range of services, including consulting, systems development and integration, managed services, and technology solutions. Our Data Centers infrastructure solutions is a holistic approach to create the Next-Generation Data Center, from design, build, Operate, Monitoring to Management.

Our diversified portfolio of the best in the industry and services solutions delivers consistent highly secured and reliable datacenters.

DCV presents **"QUBE"**, container based advanced prefabricated All-in-One datacenter facility solution. The solution is **simple, green, smart, and reliable**.

"QUBE" Datacenters are made of shipping containers that offers a strong, secure and environment friendly solution with high agility for transportation and deployment across any location, any environment, and any application.

"QUBE" are offered with multiple options of 4, 8 or 12 Racks and IT load capacity of 16, 32, 48 and 96kW per container. **"QUBE"** are designed according to the best industry standards and practices and are available in standard ISO container as well as Non-ISO Container of sizes like 10, 20 and 40 ft

"QUBE" also offers containerized Telcom Shelters to house Power, CT equipment, etc. **QUBE** Telecom Shelters are available in standard ISO container as well as Non-ISO Container of sizes like 10, 20 and 40 ft.

"QUBE" solutions are delivered pre-assembled and can be deployed and go live in no time. The product offerings are from simple IT containers to complete All-In-One systems incorporating the entire Datacenter physical IT infrastructure, Including Racks, Cooling, UPS, Environmental Monitoring, and Fire Suppression System.

Extensive customization capability within the facility not only shortens the delivery time, but it also enhances product reliability and quality and the flexibility of selecting the components of client choice to be in line with budgets envisaged. The solution provides different format of ratings with N, N+X, and 2N redundancy configurations complying to Tier Standards.

20ft
AIO Datacenter



40ft
AIO Datacenter



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QUBE also offers optional solar backup power which provides a sustainable power solution for the client.

Rapid Deployment

A traditional datacenter takes around 18 to 24 months to build.

AIO Container Datacenter deployment once at site will be able to deploy in few weeks.

Pay as you go

AIO containerized datacenter is flexible, scalable and compact therefore can be deployed only for current requirement and scale as and when required instead of setting up an infrastructure for anticipated future expansion.

Highly integrated. Highly reliable.

ISO standard container are pretested, and fully configured architecture which are ready to use when at site.

All subsystems, such as UPS, power distribution, battery, cooling, racks and more, are well integrated.

Energy efficient. Low PUE.

Highly integrated design with energy efficient components enables high energy savings.

Containment solution for Hot and Cold Area improves cooling efficiency.

Manageability

Integrated Environmental Monitoring System and DCIM provides management and monitoring solution including Power, Energy, Cooling, Climate, security, and more.

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Product Specification	ISO Standard 20Ft	Non ISO 20Ft	ISO Standard 40Ft	Non ISO 40Ft
Site Environment	Outdoor/Desert/Warehouse			
Container Dimension	6Mx 2.4M x 2.9M	6Mx 3.2M x 2.9M	12Mx 2.4M x 2.9M	12Mx 3.2M x 2.9M
Storage Temperature	-40°C -+70°C			
Storage Humidity	5% - 95% RH			
Operating Temperature	-20°C - +55°C (Power derating occurs when the temperature is higher than 45°C)			
Operating Humidity	5% - 95% RH			
IT Power Density	≤16KW	≤32KW	≤32KW	≤90KW
No. of Cabinets	4	6	8	9-12
Cabinet Dimensions (W x D x H) mm	600×1100×2000	600/800×2000×1100	600×1100×2000	600/800×2000×1100
IP Rating	IP 55			
Fire Rating	Standard 60-minute fire resistance for external sheathing structures (structural walls)			
Weight Capacity	Preinstalled weight before delivery ≤ 7T, fully configured devices ≤ 12T		Preinstalled weight before delivery ≤ 12T, fully configured devices ≤ 22T	

Electrical Parameters				
Input Voltage Range	380/400/415V±			
Input Mode	Single/Dual			
Sustainable Solar Power	Optional			
UPS Redundancy	N/N+1/2N			
UPS Capacity	≤16KW	≤32KW	≤32KW	≤90KW
UPS Type	Tower/Modular			
Backup time	10 Mins	10 Mins	10 Mins	10 Mins

Product Specification	ISO Standard 20Ft	Non ISO 20Ft	ISO Standard 40Ft	Non ISO 40Ft
Site Environment	Outdoor/Desert/Warehouse			
Cooling Mode	DX Type			
Refrigerant	R410			
Cooling Capacity	10KW/Unit	10KW/Unit	10KW/Unit	30KW/Unit
Cooling Type	Wall Mount/ Overhead	InRow	Overhead	InRow
Humidity Control	Optional			

Safety Parameters				
Fire Detection System	Yes			
Fire Suppression System	Yes			
Fire Suppression Gas	HFC-227ea/Novec 1230a			

Security Parameters				
Access Control System	Biometric+Card			
Video Surveillance	IP Camera with NVR			

EMS Parameter				
Temperature	Yes			
Humidity	Yes			
Leak	Yes			
Local Display	Customized Solution			
Equipment Status	Customized Solution			
Email Alerts	Customized Solution			
SMS Alerts	Customized Solution			
Performance Analysis	Optional			
Automatic Ticket Resolution	Optional			

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