

# **DELTA INFRASUITE MICRO DATACENTER**

DSE Series 2.5-7.6kW, DX Air-Cooled

## | Features

- Easy Deployment: Pre-configured and fully tested solution ensures minimal on-site engineering and installation is required to deploy data center significantly reducing your CAPEX and time to deploy.
- Easy Management: Design once and deploy anywhere with this standardized architecture and remote monitoring platform you have total visibility of critical assets, reducing risk, operational costs and improving service levels.
- Easy Expansion: A stand-alone fully functional solution. You can plan and deploy your IT assets step by step as business grows. Buy small and scale up, Investing only when necessary.



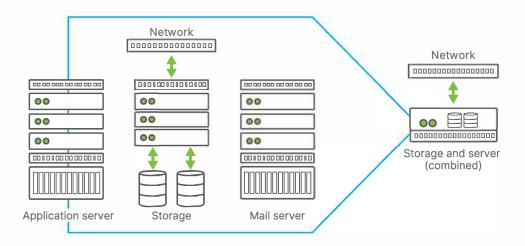






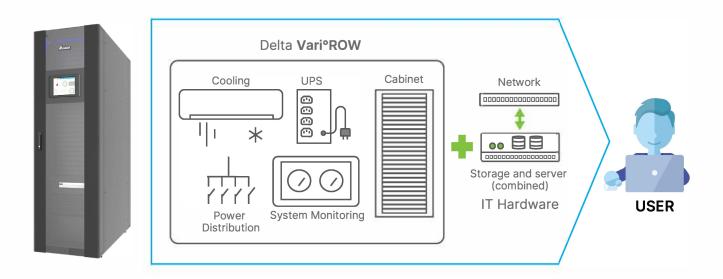
# Ready for the era of converged infrastructure

Ending the traditional ways of implementing IT infrastructure by dedicated server which consumes lot of space, power consumption and hardly maintain. Converged infrastructure has rapidly growth due to merit virtualization technology. Further moving forward to hyper-converge eventually obtains super flexibility from all software defined elements, shrink down system size, cost and maintenance complexity. Virtualized and clustering, furthermore, improves system reliability.



# Pre-fabricated all-in-one datacenter and ready to deploy

Delta's edge ready Micro Data Centers eliminate the need to for complex detailed room designs and can be rapidly deployed in a matter of weeks rather than months. Our five standard designs provide you with all of the features of a traditional data center environment in one highly integrated pretested environment.





# Standard Components – Security and reliability

#### **Modular AC UPS**

On-line double conversion compact UPS and battery configurations provide high efficiency power protection and maximisies valuable RU space.



## **Precision Cooling**

Highly integrated precision cooling with factory matched condenser is sized and factory tested for quaranteed compatibility and high reliability.



#### **Rack Access Control**

Flexible access control a wide range of options can be integrated including Key, Biometric, Code and card rack access provides enterprise level data center security for your IT assets.



## **Hybrid Power Systems**

Compact modular high efficiency AC and DC power systems can simply designed to support virtually any application, Lithium Ion batteries can be added to any system for increased service life.



## **NOVEC 1230 Fire Suppression**

Delta provides an optional NOVEC 1230 Fire Suppression System designed to protect a 19" rack mount server cabinet. Mounted in the top rack of the server cabinet, the system provides 24 hour monitoring for smoke utilizing twin optical smoke detectors operated by a control unit with a power supply and battery backup.





# Multiple choices of model, flexible configuration to exactly fit your requirement.

Delta's offers range of micro-datacenter product, various configuration from fan ventilation cooling type, all-in-one packed cooling up to row cooling providing most flexibility and choices to exactly match IT infrastructure requirement.

## **Available U-space**



# No More Condensation

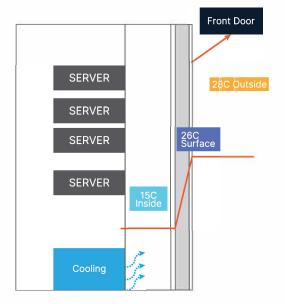
Hot moisture air cooled by cold object whose temperature lower than dew point will form condensate on the surface. Delta's MDC is specially designed to prevent this by using transparent thermal insulation material in addition to glass front door. This helps to keep front glass door temperature above dew point so that condensate is avoided.

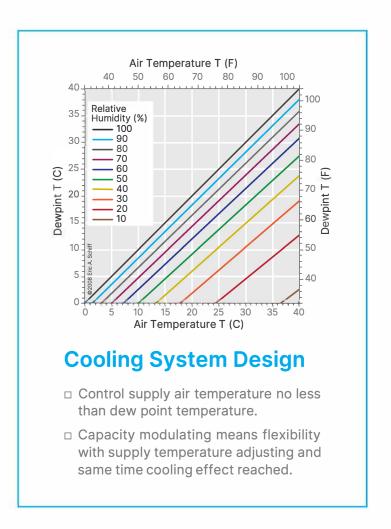




## **Heat Transfer Basics**

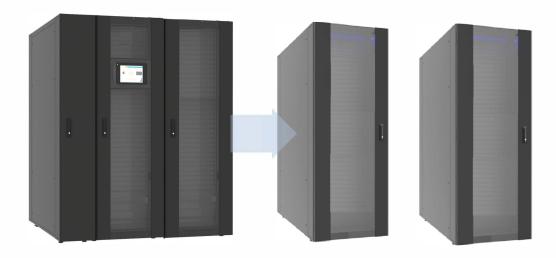
Adopt double layer front door and thermal insulation improving external door temperature to prevent condensate.





# **Highly Flexible for Future Expansion**

1100 to 1500mm depths available with additional 42U rack add-on is applicable to increase available U-space\* of Delta's micro datacenter obtaining extremely flexibility for future IT infrastructure expansion. 600mm and 800mm additional rack is available option to serve IT requirements. Custom depths can be designed on request for special applications.



<sup>\*</sup>Initial/remaining cooling capacity of cooling unit must be considered.



# **Excellent Cooling Performance**

- □ Closed coupled Cold/Hot Aisle for high efficiency.
- Double door and supply temperature control to prevent condensate.











# **Specifications**

Model Number	DSE series	DSE series					
Mechanical Specification	DSE-E1	DSE-E2.2	DSE-E2.3	DSE-E3	DSE-E4	DSE-E5	
Available RU Space	18	18	28	28	34	34	
Width-mm	100	600	600	600	900	900	
Depth-mm	1100	1100	1400	1400	1100-1400	1100-1400	
Height-mm	1200	1590	2000	2000	2000	2000	
Weight-kg	152	190	240	374	521	525	
Electrical Specification							
Input Voltage		230V/50Hz					
UPS-kVA/kW		3/2.7		5/5	6/6	8/8	
Cooling Specification							
Туре	Fan Forced	Package DX		Split DX	Split DX RowCool		
Refrigerant	N/A	R410A					
Mount Type	Тор	Тор		Rack	Row		
Capacity-kW		2.5	3.5	3.9	5.6	7.6	
SHR-%		100		95	100	100	
Air Volume-m <sup>3</sup> /hr		800		700	2000	2250	
Monitoring							
Control		10" Touch Screen					
Sensors		Temp. & Hum./Leakage/Door status/Smoke					
Management		UPS/Cooling(temp)/Environment Sensor					
Model Number	DSE	DSE-E3		DSE-E4		DSE-E5	
D-mm	39	395		480		480	
W-mm	80	800		800		800	
H1-mm	63	632		790 790			
Input Power		220V/50-60Hz/1Ph					
Weight-kg	3	35		28		40	

<sup>\*</sup> Specifications are subject to change without prior notice.





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