

POWERPLUS



Xubus Node

Quick Deployment for Telecom Edge & IoT Applications

All-in-one, prefabricated data
center 18kW, 35kW, 50kW, 70kW
and 90kW

Europe, Middle East and
Africa



www.powerplus.fr



POWERPLUS

5G mobile networks are bringing rapid deployment of Edge data centers to meet the increasing demands for high capacity, low latency and a superior user experience.

Delta Xubus Node solutions are the perfect answer for supporting the 5G infrastructure needs, offering turnkey data centers available in five different IT load configurations from 18 to 90kW.

It is an all integrated, plug-and-play solution for rapid deployment with excellent reliability and flexibility.





Prefabricated Data Center Solutions

Deliverable in 5 standard solutions from 18 to 90 kW. IT load with optional configurations.

18 kW



35 kW



50 kW



70 kW



90 kW



Power System

- UPS systems with outstanding power performance, ultimate availability and efficiency provide critical power protection and savings for customers.
- Automatic switching between two sources is available in a base option for all Xubus Node solutions, allowing customers the connection of on-site power production systems (apart from the grid power supply).
- Power distribution solution integrated within a UPS, allows saving valuable data center space.
- Cable distribution directly above racks increases space utilization and provides flexible and simple installation.
- Battery backup provides 5 minute runtime at full load.

Prefabricated Data Center

- 1.
- 2.
- 3.

Rapid deployment of pre-engineered module with an all integrated sys- tem enables IT revenue generation at an earlier phase for quicker invest- ment payback.

Robust module structure allows customer to fill complete racks with IT equipment and utilize full rack loads (1420 kg per rack).

Fire resistance of the module (EI60), as well as a robust structure, allows implementation of the sys- tem in different locations with challenging environ- mental conditions.



Uptime Tier III Ready

A Tier III certified data center is concurrently maintainable with redundant components as a key differentiator, with redundant distribution paths to serve the critical environment. Unlike Tier I and Tier II, these facilities require no shutdowns when equipment needs maintenance or replacement. The components of Tier III are added to Tier II components so that any part can be shut down without impacting IT operation.



Optional - Data Center InfraSuite Manager

- As a comprehensive suite of data center management tools, brings visibility and automation to the datacenter for easier management and more effective optimization, with added functionality.
- The basic model of InfraSuite Manager enables vendor-independent equipment integration and provides real-time equipment operating status, data, faults and indicators in the designed layout plan.
- The optional PUE Energy Module handles energy consumption measurement, PUE calculation, electricity cost calculation, and historical data analysis.

Cooling System

- Cooling system is comprised of DX cooling in-row units with hot swappable fans and distributed control.
- Standard operating ambient temperature range is -15°C up to +48°C.
- Automatic step-out function to manage local hot spots.
- Remote air cooled condensers are pre-installed on the module so there is no requirement for additional on-site installation.
- Condensers are surrounded with a mesh cage ensuring mechanical protection.

Delta Xubus Node Portfolio

Technical Specifications



- Provides total data center life cycle services, including consulting, design, simulation, implementation and after sales.
- Provides five standard configurations for quick selection.
- Customization is available to meet customer requirements for optimal solutions.
- Offers comprehensive power supply, power distribution, cooling system, modular racks and DCIM solutions for implementation anywhere.
- Delivers all-in-one solutions that can be highly integrated with different subsystems

XUBUS NODE	18KW	35KW	50KW	70KW	90K
RELIABILITY	Tier II or Tier III	Tier II or Tier III	Tier II or Tier III	Tier II or Tier III	IV Tier II
POWER SYSTEM					
Input power voltage (nominal)	400V AC, 3 phase, 50 Hz	400V AC, 3 phase, 50 Hz	400V AC, 3 phase, 50 Hz	400V AC, 3 phase, 50 Hz	400V AC, 3 phase, 50 Hz
Total IT load	18kW	35kW	50kW	70kW	90kW
IT load per rack	6kW	7kW	6.25kW	6.36kW	8.18kW
Battery backup time	5min	5min	5min	5min	5min
(BCL) COOLING					
Cooling unit	InRow Cooling, Direct				
Number of units	2	3	Expansion 4	5	6
(RACK) RACKS					
Rack Qty - 42U x 600mm (w) x 1100mm (d)	3 (102 U space available)	5	8	11	11
U Space available	102 U	208 U	334 U	460 U	460 U
Rack load	1420kg	1420k	1420k	1420k	1420k
DIMENSION-OUTER					
Length	5635mm	Tier II - 7735mm Tier III - 8335mm	Tier II - 10380mm Tier III - 10980mm	13380mm	13380mm
Height	3200mm				
Width	3300mm				
SAFETY					
Fire suppression and detection	Fire control panel, smoke detection, auto/manual activation, audio and visual alarm, NOVEC gas				
Fire resistance of the module	suppression system				
ENVIRONMENTAL					
Operating Min/Max external temperature	E160 (both directions) -15°C to 48°C				
Seismic and wind loading	Specific to location				
Operating altitude	Up to 2000m				
OPTIONS					
Access control system	DCIM system (Delta InfraSuite Manager)				
CCTV system	Upgrade to two rPDUs per rack				
Aspiration system	Fiber cable trays				

Data Center Solution Team Certification

All specifications are subject to change without prior notice.





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Qui sommes nous ?

La société POWERPLUS propose des solutions clés en main dans le domaine de l'énergie électrique, la climatisation, le secours et la protection électrique.

La société POWERPLUS est née d'un constat simple et pratique : peu de sociétés sont capables d'apporter des solutions complètes dans ces domaines d'activités.

Les fondateurs et les intervenants apportent une expérience technique et une expertise de plus de 20 ans pour vous offrir un service de haute qualité. Nous choisissons soigneusement des produits de marques renommées et innovantes, qui vous permettent de vous engager dans la durabilité. En outre, nous vous soutenons au quotidien avec des services de maintenance, de location et de financement adaptés à vos contraintes d'exploitation.

Une Plate-forme logistique assurant des livraisons en 24 à 48 heures.