

Expansion Channels, Rear

Isolate the SmartRow™ DCX from its surroundings, increasing security and energy efficiency while reducing site dependency

Backup Batteries

Modular and scalable power modules deliver continuous conditioned power

Bypass Cabinet

Allows for UPS maintenance while still powering the IT equipment

UPS System

Modular and scalable power modules deliver continuous conditioned power

Power Distribution

Expandable distribution with multiple connection types

Emergency Ventilation Fans

Automatically activate during a loss of primary cooling

Cable Trays

Help manage copper and fiber

Redundant Cooling

The high efficiency cooling system is fully redundant to ensure maximum uptime

Server Racks with Rack-PDUs

Pre-configured 42U racks optimized for compute and storage in a minimal footprint

Networking Racks with Rack-PDUs

Pre-configured 42U racks optimized for high volume of cables and side breathing equipment

Expansion Channels, Front

Ensure conditioned air reaches row equipment

Primary Cooling

Rack-mount and UPS heat is efficiently and reliably rejected year round

Outdoor Heat Rejection

Reliable year round performance in all climates



Overview

Simplifying the entire process – from selection through to deployment – the SmartRow™ DCX provides a complete data center in a row in just weeks – not months. It combines three to sixteen racks with data center grade thermal management, UPSs, power management, monitoring and control technologies, and cable management all in an enclosed room neutral system. With multiple ways to configure for future expansion, power and cooling redundancy levels and emergency ventilation – it's a flexible solution to meet today's needs while being prepared for the unknown of tomorrow.

The pre-engineered, closed architecture eases the dependence on the site while delivering very predictable, repeatable performance. Designed leveraging Vertiv's industry leading technologies and applying data center best practices to ensure maximum availability while minimizing energy consumption. The modular platform can be quickly and easily expanded over time. The closed airflow path allows the SmartRow to operate securely in shared spaces, not requiring dedicated MDF/IDF rooms. SmartRow is a unique offering in the industry and ideal for small and remote data centers.

Cost to Deploy and Operate

- Reduce required room modifications to support IT
- Reduce engineering services, permitting, construction and installation costs
- Reduce real estate cost by minimizing the footprint required for equipment supporting IT
- High-efficiency cooling architecture reduces energy costs

Time to Deploy

- Reduce time required for design and permitting
- Reduce time for implementation of room modifications
- Reduce time for equipment selection, configuration and installation

Risk Management

- Reduce downtime risk with robust redundancy capabilities including backup ventilation, and maximization of factory integration
- Reduce downtime risk with remote monitoring and management
- Reduce complexity through unnecessary variability in equipment, configuration and installation



SmartRow™ DCX PLATFORM

Equipment Racks	3-16
Maximum kW/rack	10kW
UPS System Redundancy	N, N+1 or 2N
Cooling System Redundancy	N, N+1 or 2N
Automatic Backup Ventilation	Included
UPS Capacity	15 - 90 kW
Minimum system capacity	7 kW
UPS battery runtime	12 min standard
Complete Power Distribution	Available
Rack PDUs	Included
Secure, Room neutral	Included
Rack Level Environmental Monitoring	Included
Suite of Accessories	Available
Suite of Monitoring Packages	Available
Suite of Cable Management Accessories	Available
SmartRow™ Warranty	1 year*
Extended Warranties	Available
Preventative Maintenance Plans	Available

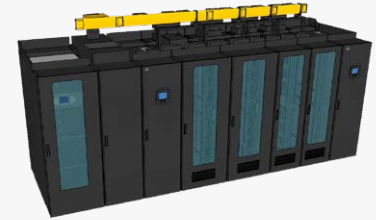
*Limited Warranty, exclusions apply, select components covered for 2 years.

Examples of Four Rack Pre-Configured SmartRow™ DCX Solutions



DCX-PN4

- Non-redundant power and cooling
- UPS System, 12 min battery
- Complete Power Distribution



DCX-PR4

- Redundant power and cooling
- UPS System, 12 min battery
- Complete Power Distribution



DCX-CN4

- Non-redundant cooling



DCX-CR4

- Redundant cooling

SmartRow™ DCX PRE-CONFIGURED SKUS		DCX-PN4 BA9FAGAHAJAAA	DCX-PR4 BAAGAHHAJAAA	DCX-CN4 B000AGAHAJAAA	DCX-CR4 B000AHHAJAAA
Average kW/rack		7.5 kW	7.5 kW	7.5 kW	7.5 kW
Rack Quantity	Networking (800mm)	2	2	2	2
	Server (600mm)	2	2	2	2
Redundancy Level	Power system	N	N+1	N	N+1
	Cooling system	N	N+1	N	N+1
SmartRow™ Delivery Service		Incl.	Incl.	Incl.	Incl.
Rack - PDUs/rack		1	2	1	2
Power Distribution		Incl.	Incl.	-	-
UPS Runtime (full load)		12 min.	12 min.	N/A	N/A
Emergency Ventilation System		Incl.	Incl.	Incl.	Incl.
Closed Airflow Path		Yes	Yes	Yes	Yes

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