

Achieve business agility and simplicity with hybrid cloud. Choose Hitachi Unified Compute Platform RS, powered by VMware Cloud Foundation, to deliver your software-defined data center (SDDC).

DATASHEET

Hitachi Unified Compute Platform RS Delivers Turnkey Integrated SDDC Cloud Infrastructure

Hybrid Cloud Simplified

To simplify your hybrid cloud journey, Hitachi Unified Compute Platform RS (UCP RS) provides a turnkey solution that reduces total cost of ownership (TCO) and improves security. The SDDC solution accelerates the time to market with a natively integrated cloud infrastructure stack that comes prepackaged with management software, to provide automated, policy-based IT operations (see Figure 1).

Key Benefits

Faster Time to Production

- Turnkey delivery of pre-integrated, pre-validated SDDC.
- Automation that enables the deployment of an entire cloud infrastructure in hours, not weeks or months.
- Rapid and repeatable application deployment.

Flexibility and Scale

- Move your workload across data centers to meet changing business needs.
- Manage your applications across private and public cloud from a common toolset.
- Scale your data center without increasing IT headcount.

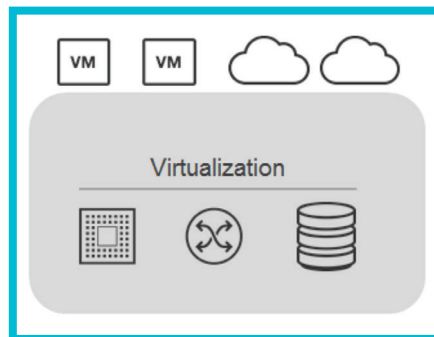


Figure 1. Unified Compute Platform RS

Intelligent Operations

- Do more with fewer resources.
- Automate your data center with policies.
- Optimize resource utilization with rich analytics.

Secure Your Data Center

- Hypervisor-embedded firewall for enhanced security.
- Granular security to prevent east-west breach.
- Security policies that align with workload, regardless of physical location.

For more information, please visit the [UCP RS web page](#).

UCP RS FEATURES

- Rack-scale hyperconverged infrastructure.
- Turnkey delivery of SDDC.
- Natively integrated SDDC components and management.
- Start small and easily scale up to 256 nodes.
- Enterprise security with NSX micro-segmentation.
- Multitenancy-enabled via workload domains.
- Automated life-cycle management of entire cloud infrastructure.
- Run your application anywhere, at any scale.
- Workload mobility across private and public cloud.

Hitachi Unified Compute Platform RS: UCP RS V210 and UCP RS V210F

CONFIGURATIONS

Modes	8 minimum, 128 maximum
Rack-Scale	1 - 8 racks
Node Scale Increment	1
Node	UCP HC V210; 2U form factor, one node (details in table below)
Network Switch (spine-leaf)	Cisco Nexus 9000 Series
Management Switch	Quanta BMS T1048-LB9
Management Software	SDDC Manager, Hitachi Unified Compute Platform Advisor
Virtualization	Server: VMware vSphere, Network: VMware NSX (SDN), Storage: VMware vSAN

SOFTWARE REQUIREMENTS

VMware	Cloud Foundation 2.1.3, vSphere 6.0 U3, vCenter Server 6.0 U3b, vSAN 6.2 or higher, SDDC Manager 2.3, NSX 6.2.6. Optional: vRealize Automation, Horizon
Hitachi	Unified Compute Platform Advisor 1.x or higher Optional: Data Instance Director, Management Packs for VMware

NODE SPECIFICATION

Product	UCP RS V210	UCP RS V210F
Configuration	Hybrid	All-Flash
Form Factor	2U, 1 Node	
Processor	1 - 2+ Intel Xeon Processor E5 -2699 (22 core; 2.2 GHz; 145W), 1 - 2+ Intel Xeon Processor E5-2680 v4 (14 core; 2.4GHz; 120W), 1 - 2+ Intel Xeon Processor E5-2650 v4 (12 core; 2.2GHz; 30W) or 1 - 2+ Intel Xeon Processor E5-2620 v4 (8 core; 2.1GHz; 85W)	
Raw Storage (per node)	12 - 60TB	4 - 38TB
Estimated Usable Capacity	6 - 30TB	7 - 100TB
Memory	256GB per node (minimum), or up to 1.5TB per node	256GB per node (minimum)
Cache	2 x 800 or 2 x 400GB solid-state disk (SSD)	
Network	Two or more 10 gigabit Ethernet (GigE) SFP+	
Management Network	One 10 or 100Mb/s BMC port for remote (out-of-band) management per node	

RACK CONFIGURATION

	UCP RS V210	UCP RS V210F
Form Factor	42U	
Processor	32 - 64+ Intel Xeon Processor E5-2699 (22 core; 2.2 GHz; 145W), 32 - 64+ Intel Xeon Processor E5-2680 v4 (14 core; 2.4GHz ; 120W), 32 - 64+ Intel Xeon Processor E5-2650 v4 (12 core; 2.2GHz; 30W) or 32 - 64+ Intel Xeon Processor E5-2620 v4 (8 core; 2.1GHz; 85W)	
Raw Storage (per rack)	384 - 1920TB	128 - 1,216TB
Estimated Usable Capacity	192 - 960TB	224 - 3,200TB
Memory	Up to 48TB per rack	
Cache	32 x 2 x 800GB or 32 x 2 x 400GB SSD	



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