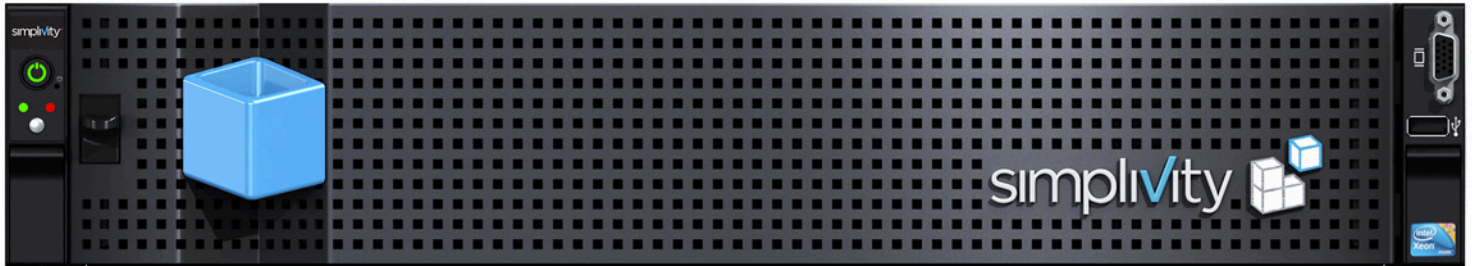


## SimpliVity OmniCube™



### OmniCube: Changing the Game

SimpliVity's OmniCube is the industry's first and only globally-federated and hyperconverged infrastructure solution. OmniCube converges all IT infrastructure below the hypervisor into 2U building blocks on enterprise-grade servers. The solution assimilates eight to twelve core data center functions including the hypervisor, compute, storage, network switching, backup, replication, cloud gateway, caching, WAN optimization, real-time deduplication, and more.







### Cloud Economics with Enterprise Capabilities and TCO Savings

With 3x TCO savings, OmniCube delivers the best of both worlds - enterprise-class performance, protection and resiliency that enterprises require with cloud economics businesses demand - for single-site businesses to large-scale multi-site Global 2000 enterprises.

### The Technology: Attacking Complexity at the Source

Today's infrastructure complexity problem is caused by an antiquated data architecture not suited for modern virtualized and cloud-integrated applications. SimpliVity's data architecture consists of the OmniStack Data Virtualization Platform and OmniStack Accelerator Card. SimpliVity's data architecture is a globally-aware file system with data optimization techniques that enables a single shared compute and storage resource pool across multiple sites, and provides highly-efficient data storage, management, and mobility. It abstracts data from its underlying hardware, shifting policies and management from infrastructure components to the application workload/virtual machine level. The OmniStack Accelerator Card is a purpose-built PCIe card that offloads global inline deduplication, compression, and optimization processes to ensure primary CPU resources are available to serve business applications.

### Features and Benefits

-  **Fully Integrated System:** Combines x86 resources, networking, and storage access to assimilate all IT infrastructure and services below the hypervisor.
-  **10GB Unified Network Fabric:** Low-latency, lossless, wire-once deployment means fewer interface cards, cables, and ports to maintain.
-  **Intel Xeon x86 Processor Product Families:** Powerful, dual CPU x86 configuration availability delivers an outstanding combination of performance, flexibility, and efficiency gains.
-  **TCO Reduction:** Eliminate the need to purchase multiple discrete components, optimize storage capacity with 40:1 data efficiency, and prevent over-provisioning for performance and capacity with on-demand expansion.
-  **Efficiency and Agility:** Streamline operations with VM-centric management and mobility, and speed time to deploy infrastructure for new workloads.
-  **Mitigate Risk:** Significantly improve RPOs and RTOs, reduce storage and network requirements for data protection with VM-centric backup and WAN-optimized replication for DR.

OmniStack Data Virtualization Platform delivers three breakthrough innovations:

- 1. Accelerated Data Efficiency:** On average, SimpliVity customers achieve 40:1 data efficiency while simultaneously increasing application performance. OmniStack deduplicates, compresses, and optimizes all data inline, in real-time, at inception, once and forever across all stages of the data lifecycle, globally.
- 2. Built-in Data Protection:** With OmniStack, data protection is built in and ultra efficient. OmniStack natively includes policy-based VM-centric backup and WAN-optimized replication for disaster recovery, reducing backup and restore times from hours to minutes.

- 3. Global Unified Management:** OmniStack provides policy-based VM-centric management and mobility to improve IT agility for single and multi-site deployments of all sizes. Administrators are no longer required to manage LUNs and volumes; instead, they can manage all resources and workloads centrally, using familiar interfaces, such as VMware vCenter, VMware vRealize Automation, and OpenStack.

### OmniCube Models

The flexible architecture of the OmniStack Data Virtualization Platform allows SimpliVity to offer a range of OmniCube models that apply to a broad range of environments and use cases.

Specifications	SimpliVity OmniCube			
	CN-1200™	CN-2400™	CN-3400™	CN-5400™
Targeted Use Case	Remote Office, Branch Office sites with up to 20 Virtual Machines. All workloads.	All workloads in small to medium environments, remote office /branch office (ROBO)	Majority of workloads across a wide range of environments from smallest IT organizations to large Enterprise	Ultra high-performance application workloads for enterprises and cloud providers.
Configuration	2 x 400GB SSD 4 x 1 TB 7.2K HDD	2 x 400GB SSD 8 x 1 TB 7.2K HDD	4 x 400GB SSD 20 x 1 TB 7.2K RPM HDD	4 x 400GB SSD 20 x 1.2 TB 10K RPM HDD
Effective Capacity	2-4TB*	5-10TB*	18-36TB*	21-43TB*
CPU	Single Intel E5-2650v2 8 Cores	Single or Dual Intel E5-2600v3 8-28 Cores	Single or Dual Intel E5-2600v3 8-28 Cores	Single or Dual Intel E5-2600v3 8-28 Cores
RAM Usable Capacity	50-82 GB**	71-327 GB Single CPU 71-1443 GB Dual CPU**	92-284 GB Single CPU 284-1400 GB Dual CPU**	92-284 GB Single CPU 284-1400 GB Dual CPU**
Network Connections	2 x 10 GbE (SFP+), 2 x 1 GbE (RJ45)	2 x 10 GbE (SFP+), 2 x 1 GbE (RJ45) plus either 2 x 10GbE (SFP+) and/or 2 x 1GbE (RJ45)	2 x 10 GbE (SFP+) and 2 x 1 GbE (RJ45) plus either 2 x 10GbE (SFP+) and/or 2 x 1GbE (RJ45)	2 x 10 GbE (SFP+) and 2 x 1 GbE (RJ45) plus either 2 x 10GbE (SFP+) and/or 2 x 1GbE (RJ45)
Physical Dimensions	3.43"H x 17.5"W x 28.5"D (30.5"with bezel)	3.43"H x 17.5"W x 28.5"D (31.5"with bezel)	3.44"H x 17.5"W x 29.75"D (31.5"with bezel)	3.44"H x 17.5"W x 29.75"D (31.5"with bezel)
Weight	65 lbs (32.4 kg)	65 lbs (29.5 kg)	71.5 lbs (32.4 kg)	71.5 lbs (32.4 kg)
Power Supply	Dual 750W 100/240VAC @ 50/60HZ (auto-sensing)	Dual 1100W 100/240VAC @ 50/60HZ (auto-sensing)	Dual 1100W 100/240VAC @ 50/60HZ (auto-sensing)	Dual 1100W 100/240VAC @ 50/60HZ (auto-sensing)

\* Effective capacity varies by environment, and is a function of the realized deduplication and compression rates. The capacities mentioned above offer a conservative range based on compression and deduplication rates found in standard primary storage use cases.

\*\* RAM usable capacity represents estimated memory resources available to virtual applications.

For more information, visit:  
[www.simplivity.com](http://www.simplivity.com)

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