

High Performance and Cost Effective Storage



Key Features

- **Unified NAS & SAN Platform**
- **Scalable Capacity & Performance**
- **Heterogeneous block & file replication**
- **Read Cache – Applied Per Storage Pool**
- **Simple DR configuration**
- **SW Raid with up to triple parity protection**
- **VM Integration**
- **In-line compression & de-duplication**
- **Unlimited snapshots & clones**
- **End to End Data integrity**
- **Thin Provisioning**
- **Non Disruptive Upgrades**
- **Easy to use user interface**

Delivering Massively Flexible and Scalable Storage

NexentaStor is a unified storage management platform that can be installed on Genstor servers to deliver a full suite of storage services to aid persistent data placement & the mobility of it's tenants.

NexentaStor is a cost-effective data storage solution that enables IT organizations to enjoy significant benefits through higher workload throughput, improved management capabilities, in-line compression, de-duplication, and unlimited snapshots and cloning, reduced IT complexity and compelling storage economics.

Nexenta and Genstor reference architectures, supported by our joint channel, allow for solutions scaling to over 600 terabytes per array. Utilizing tiered storage technology, including solid state and traditional storage, these architectures provides up to 100,000 IOPs per array. Genstor hardware allows user to leverage the latest standard X86 technology releases with NexentaStor's perpetual license model gives customers the assurance and flexibility that they can upgrade to the latest reference architecture without paying for the storage operating system software multiple times.

For more information, please contact GSNX@genstor.com

Genstor Systems, Inc.

1501 Space Park Drive
Santa Clara, CA 95054
Phone: 408-980-0121
www.genstor.com

Nexenta

455 El Camino Real
Santa Clara, CA 95050
www.nexenta.com

Scaling Capacity, Performance and Density Configuration Details



	Entry Level Data Center	Mid-Range Data Center	Large Data Center	Small Archive Data Center
Servers	GS-NX210	GS-NX220	GS-NX230	GS-NX240
CPU	The Intel® Xeon® processor E5 family can boost server performance by up to 80% over previous generation Intel® Xeon® processor-based servers			
	Dual 2.4 Ghz	Dual 3.3 Ghz	Dual 3.3 Ghz	Dual 3.3 Ghz
DRAM	96GB	192GB	384GB	256GB
Capacity	Up to 88 TB	Up to 336 TB	Up to 680 TB	Up to 360 TB
Read Cache	sTec ZeusIOP SSD provides sustainable read performance with maximum scalability			
	Up to 496 GB	Up to 992 GB	Up to 2.6 TB	Up to 256 GB
	Up to 40,000 Read IOPs	Up to 80,000 Read IOPs	Up to 120,000 Read IOPs	DRAM based reads
Write Cache	sTec ZeusRAM drives provide DRAM-like write performance with the persistent storage of flash			
	Up to 8 GB	Up to 16 GB	Up to 32 GB	N/A*
	Up to 100,000 Write IOPs	Up to 200,000 Write IOPs	Up to 400,000 Write IOPs	N/A*
Physical Form Factor	6U – 8U	8U – 12U	12U – 20U	12U – 20U
Software	NexentaStor provides hardware-independent, open, unified storage management at a fraction of the cost of legacy systems, allowing for high efficiency scalability while eliminating costly vendor lock-in			
Storage Protocols	FC, iSCSI, NFS v3, NFS v4, CIFS/SMB			
DR Features	Optional redundant head nodes provide for highly available storage management. Disk protection is enabled via mirror pairs, single (RAID Z1), dual (RAID Z2), and triple (RAID Z3) parity sets.			

*Write cache is not enabled for small archives solutions to maximize archival space. It can be added as needed.

For more information, please contact GSNX@genstor.com

Genstor Systems, Inc.

1501 Space Park Drive
Santa Clara, CA 95054
Phone: 408-980-0121
www.genstor.com

Nexenta

455 El Camino Real
Santa Clara, CA 95050
www.nexenta.com