



CoreStor Hybrid Unified NAS

The affordable choice for deployments where cost/performance (IOPS) is primary consideration.

CoreStor Hybrid Unified NAS is a storage system which presents block and file storage services simultaneously out of a single platform. It offers the flexibility of choice, providing CIFS/SMB, AFP, and NFS for file storage and iSCSI for block storage. Every common operating system, hypervisor, and application is supported, providing the benefits of enterprise-grade SAN/NAS capabilities – such as thin provisioning, unlimited snapshots and deduplication.

KEY FEATURES

Hybrid Storage for Flexibility and Performance.

SSD Caching Support.

Versatile Host Interfaces (10GbE iSCSI, 16Gb Fibre).

Cableless Chassis.

ZFS and RAID Protection.

Offload Engines.

Thin Provisioning.

Inline, Block-Based deduplication.

File Level and Block Level Snapshots.

Remote Replication for Disaster Recovery.

Integration with Windows Active Directory and LDAP.

OVERVIEW

Unified Storage with Simple Management

- Consolidates NAS and IP-based iSCSI SAN in one box.
- Supports SMB, NFS, AFP, FTP, WebDAV and iSCSI.

High-Speed Host Interfaces

- Both iSCSI and 16Gb Fibre Channel are supported at the same time in one enclosure.

Offload Engines

- SOE (Samba Offload Engine) improves SMB (Small Message Block) protocol performance.
- ZVIOS (ZFS Volume IO Scheduler) accelerate block IO such as iSCSI protocol performance.

Enterprise Grade Storage Efficiency

- Thin provisioning allows just-in-time capacity and allocates storage space that does not exist.
- Inline, block-based deduplication helps you remove data redundancy at block level.
- Compression is lossless and can help save even more storage space.

Enterprise Class Data Protection

- File-level snapshot helps IT administrator to retrieve a file as easy as browsing through a directory.
- Block-level snapshots are supported. Using copy-on-write differential data are recorded between two given points in time. One can rollback the snapshot to a certain point in time in the past or clone the snapshot to become an independent LUN.

Form	Drives	Host Interface	Model
2U	12	iSCSI (2x10GbE / 2xGbE)	2712T
3U	16	iSCSI (2x10GbE / 7xGbE)	3716T
4U	24	iSCSI (2x10GbE / 7xGbE)	4724T
3U	16	2x16G Fibre / 7xGbE	3716S
4U	24	2x16G Fibre / 7xGbE	4724S
1U	4	iSCSI (2xGbE)	1704I
2U	12	iSCSI (6xGbE)	2712I
3U	16	iSCSI (7xGbE)	3716I
4U	24	iSCSI (7xGbE)	4724I



Form	4U	3U	2U	1U
HDD Trays	24	16	12	4
Maximum Capacity	144TB (with 6TB drives)	96TB (with 6TB drives)	72TB (with 6TB drives)	24TB (with 6TB drives)
RAID Level	0, 1, 5, 6, 10, 50 and 60			0, 1, 5, 10
SSD Caching	Yes			No
Data Services	SMB 2.0, NFS v3/v4, iSCSI target			
Directory Services	Microsoft AD, Windows ACL, LDAP, UnifiedAUTH			
Virtualization	VMware, Hyper-V, Citrix			
OS	Windows, Red Hat Enterprise Linux 5/6, Solaris 10 or later, Mac OS X			
Processor	Intel® Xeon E3 or Core™ i3 dual cores	Intel® Xeon E3 or Core™ i3 dual cores	Intel® Xeon E3 or Core™ i3 dual cores	Intel® Atom™ dual cores
Dimensions	19"W x 20"D x 7"H	19"W x 20"D x 5.25"H	19"W x 20"D x 3.5"H	19"W x 20"D x 1.75"H