

NEO® Agility™ LTFS Archive Appliance

Workflow-optimised data protection

Businesses in today's data-intensive world are faced with increasing data storage requirements and their associated challenges to effectively manage that data. Most companies recognize the importance of backing up frequently used data onto disk or the Cloud, and storing less frequently used data on tape for archive and disaster recovery applications. However, for some users, the process of creating, storing, retrieving and sharing large data sets can be costly and cumbersome. Those users need help bridging that gap.

With NEO Agility users can effortlessly manage, share and protect valuable data files utilizing Linear Tape File Storage (LTFS) technology. Providing advanced archiving capability, and serving as a compliment to NEO series tape libraries, NEO Agility allows users to capitalize on the reliability, portability and affordability of tape-based storage while benefiting from the ease of data access associated with disk-based storage.



Key features

Lowers cost of storage and increases efficiency by freeing up primary storage space

Delivers effortless drag and drop of files from tape, just as if they were located on a standard disk volume

Delivers up to 15PB of near-line capacity and unlimited offline capacity

Provides up to 8TB of disk cache for increased performance

Enables easy sharing of data with other users on the network

Utilizes CIFS/SMB and FTP file transfer network protocols

Provides interoperability in Windows, Linux and MAC environments

Writes to LTO cartridges in LTFS or TAR formats

Compatible with LTO WORM cartridges required for regulatory compliance

Provides easy access to files

Even though archived files may be physically located on tape, users have convenient access to the data. Files appear in the OS directory tree structure just as if they were located in primary storage. Because LTO cartridges contained in the NEO Agility solution are self-describing, they contain all the file system information needed to recover data and can be easily transferred between archive systems.

Familiar file system user interface

NEO Agility presents a familiar Windows File structure user interface allowing files to be easily moved to and from the client computer and NEO tape library with simple drag and drop actions across the network. Because files are written to and retrieved from the archive as if through a standard disk-based volume or network share, NEO Agility is easily used with most applications.

Provides cost-effective NAS storage

Accessing your NEO Series tape library as a shared NAS allows easy exchange of data between primary and archive storage. Because NEO Agility allows you to easily archive data off to tape, even though it appears as if the archive is on disk, the content needing to be stored is minimized, providing the IT administrator with the bandwidth to focus on other activities.

Superior compatibility

Files stored on NEO Agility are immediately available to your file system and other applications. NEO Agility accepts all file types and presents in a Windows file/folder structure. Files are transferred to/from the archive locally or using either the standard Windows network protocol (CIFS/SMB) or FTP file transfers. NEO Agility can also be connected with a SAN via fibre channel. In addition, NEO Agility provides an object storage interface using an XML API. These interface options mean that NEO Agility effortlessly works with a variety of applications natively and can provide third-party applications with the ability to control and monitor the archive system, Windows, MAC and Linux.

Replication of data

NEO Agility software can automatically replicate LTO cartridges that may have been exported from the NEO series library for off-site retention, providing strong data protection and disaster recovery.

Frees up expensive primary storage

With NEO Agility, there's no need to clutter up expensive primary storage space with files you may not need frequently or instantaneously. The ease of use of NEO Agility means you can effortlessly move data to tape while still having rapid and reliable access to that data as needed. By providing support for LTFS and TAR formats, NEO Agility also avoids costly vendor lock-in and proprietary formats.

Simplified installation and use

Setting up a NEO Agility appliance is as simple as plugging it in and connecting it to your host and NEO tape library. Minimizing the use of IT resources to setup and manage the NEO Agility solution means cost of ownership is reduced and users can quickly begin sharing and archiving important data.

Alert modules contained within NEO Agility provide email and on-screen alerts which can be tailored to specific IT personnel requirements. Additionally, reporting can be configured to provide information on files contained on any cartridge, improving usability and reducing the load on busy IT personnel.

Flexible storage capacities

Grow into, not out of, your storage. Both NEO Agility and its compatible NEO series tape libraries scale to meet your particular data storage needs. And because you can utilize your NEO series library for both NEO Agility archive and traditional backup activities, the flexibility and efficiency of your NEO solution provides the ultimate in investment protection. Unlike other basic LTFS solutions, NEO Agility supports LTO cartridge spanning, preventing archive operations from being limited by the capacity of the LTO cartridges. With NEO Agility's ability to manage an unlimited number of offline cartridges, the capacity of the NEO Agility archive becomes infinite.

Compatibility with NEO libraries

NEO Agility is optimized for, and compatible with, NEOS T24, NEOS T48, NEOxl 80 and NEO 8000e tape libraries. With storage capacities ranging from 36TB to 15PB, NEO series solutions provide the backup and archive solution tailored to fit your particular data storage needs.

NEO Agility is also compatible with tape libraries manufactured by other vendors; this provides the NEO Agility archiving advantages in environments that haven't yet taken advantage of the benefits provided by a NEO Series tape library.

NEO Agility Server	NEO Agility 24	NEO Agility 48	NEO Agility 80	NEO Agility 160
Software	NEO Agility Server Software	NEO Agility Server Software	NEO Agility Server Software	NEO Agility Server Software
Operating system	Microsoft Windows Server 2012 R2 Standard Edition			
Processor	Intel Xeon 6-Core Processor; 1.6Ghz	Intel Xeon 6-Core Processor; 1.6Ghz	Intel Xeon 6-Core Processor; 2.4Ghz	Intel Xeon 6-Core Processor; 2.4Ghz
RAM	32GB	32GB	64 GB	64 GB
RAID	1	1	5	5
System disk	2xSATA	2xSATA	8xSAS	8xSAS
Disk cache	6TB	6TB	8.4TB	8.4TB
Network interface	1Gb Ethernet	1Gb Ethernet	10Gb Ethernet	10Gb Ethernet
Library interface	6Gb SAS	6Gb SAS	6Gb SAS/8Gb FC	8Gb FC
Max. std. on-line capacity*	360TB	720TB	1.2PB	2.4PB
Max. total on-line capacity*	360TB	720TB	8.4PB	15PB
Form factor	1u	1u	1u	1u
Off-line capacity	unlimited	unlimited	unlimited	unlimited
Power (with redundancy)	700 watts	700 watts	700 watts	700 watts
Temperature	0 °C to 40 °C			
Humidity	20 to 80%	20 to 80%	20 to 80%	20 to 80%
Dimensions (cm)	43.68 w x 4.32 h x 65.02 d	43.68 w x 4.32 h x 65.02 d	43.68 w x 4.32 h x 65.02 d	43.68 w x 4.32 h x 65.02 d
Weight (kg)	20.86	20.86	20.86	20.86
Rack rails	included	included	included	included
Std. warranty	1 year OverlandCare Silver NBD coverage (hardware); 1 year OverlandCare telephone coverage (software)	1 year OverlandCare Silver NBD coverage (hardware); 1 year OverlandCare telephone coverage (software)	2 year OverlandCare Silver NBD Coverage (hardware); 1 year OverlandCare telephone coverage (software)	1 year OverlandCare Silver NBD Coverage (hardware); 1 year OverlandCare telephone coverage (software)

* assumes 2.5:1 compression

** Contact your Overland Storage sales representative to discuss support for non-Overland tape libraries.

Sales and support for Overland-Tandberg products and solutions are available in over 90 countries.
 Contact us today at sales@overlandstorage.com or sales@tandbergdata.com

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