

Atempo Digital Archive™



# **Atempo Digital Archive**

## **Compatibility Guide**

ADA Version 3.1 SP1

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# Atempo Digital Archive - Version 3.1

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## GENERAL INFORMATION

Presentation:

- New information in this document is shown **in blue**.
- End of Life components are shown in **red**

New sections added:

- Important notice: Licensing & End of Life
- New ADA components and supported platforms

## IMPORTANT NOTICE

### 1. LICENSING

Version 3.1 of Atempo Digital Archive adds new options and bundle packages:

- Options are available to be added on any existing ADA license
- Bundles are available for first-time buyer only

The following options and packages need a specific license to be activated:

- Option - ADA for Final Cut Server
- Option - ADA for Final Cut Pro
- Option - Automatic Metadata Import for media industry file formats (MXF, DPX,...)
- Option - Automatic Metadata Import for graphic file formats (AVI, JPG, MPEG,...)
- Option - Rich Media Option
- Bundle - ADA for Final Cut Server
- Bundle - ADA for Final Cut Pro

Please note:

- The demo license activates all options in Atempo Digital Archive for 30 days.
- [Upgrade the Atempo Digital Archive Server license prior to upgrading to ADA v3.1 if using Final Cut Server.](#)

**2. END OF LIFE (EOL) EFFECTIVE WITH ADA V3.1 AND ADA V3.1 SP1**

EOL components in version 3.1 of Atempo Digital Archive:

Operating System	ADA Component	Architecture
MAC OS 10.4 (Tiger)	ADA Server	32 bits / 64 bits
	ADA Agent	32 bits / 64 bits
	ADA HSM Filter Drivers	32 bits / 64 bits
	Native User Interface	X86-32 / X86-64 PPC
Windows 2000	ADA Server	32 bits
	ADA Agent	32 bits
	ADA HSM Filter Drivers	32 bits
	Native User Interface	32 bits
	ADA HSM Client	32 bits
	ADA Administration Console	32 bits
Solaris 8	ADA Agent	SPARC

This EOL is effective with the General Availability of this version. If using an ADA Server for Windows 2000 or Mac OS 10.4, please consider upgrading your operating system.

As for the Agent platforms, Atempo will still deliver 3.0 Agents able to operate with a v3.1 Server, so that you will have more time to upgrade your operating systems. However, be aware that 3.0 Agents will not be maintained, and corrections following possible incidents will only be available in version 3.1.

## ATEMPO DIGITAL ARCHIVE - SERVER

ADA Server		
Operating System	Version	Architecture
Linux	Red Hat 4 (libc 6.3)	X86-64
	Red Hat 5 (libc 6.3)	X86-64
	SUSE SLES v11	X86-64
Microsoft Windows	Server 2003	X86-32
		X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64
SUN Solaris	Solaris 9	SPARC
	Solaris 10	SPARC
Mac OS X <sup>(1)</sup>	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64

**Note (1):** Archiving & Retrieval of objects located on remote share through Apple File Protocol (AFP) are not supported.

## ATEMPO DIGITAL ARCHIVE - AGENT

ADA Agent		
Operating System	Version	Architecture
HP-UX	11i v2	Itanium
	11i v3	Itanium
IBM AIX	5.2	64
	5.3	64
Linux	Red Hat 4 (libc 6.3)	X86-64
	Red Hat 5 (libc 6.3)	X86-64
	SUSE SLES v11	X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Microsoft Windows	Server 2003	X86-32
		X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64
	XP	X86-32
	Vista	X86-64
Windows 7	X86-64	
SUN Solaris	Solaris 9	SPARC
	Solaris 10	SPARC

## ATEMPO DIGITAL ARCHIVE - HSM FILTER DRIVER

ADA HSM Filter Driver		
Operating System	Version	Kernel Architecture
Mac OS X <sup>(1)</sup>	Mac OS X 10.5 (Leopard)	X86-32
	<a href="#">Mac OS 10.6 (Snow Leopard)</a>	X86-32
		<a href="#">X86-64</a>
Microsoft Windows	Server 2003 SP1	X86-32
	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64
	Vista	X86-64
	XP SP2	X86-32
	Windows 7	<a href="#">X86-64</a>

**Note** (1): When using the stubbing capability on Mac OS X and using the Mac OS X Finder to browse the file system, unwanted recalls might be triggered by the Finder's preview capability. Install the Atempo Digital Archive Prevent Recall option to ensure that such recalls are prevented.

Please refer to the [Atempo Digital Archive - \*\*PREVENT RECALL\*\*](#) section for more information on the Atempo Digital Archive on the environment supported by the Prevent Recall option.

## ATEMPO DIGITAL ARCHIVE - HSM CLIENT

ADA HSM Client		
Operating System	Version	Architecture
Microsoft Windows	Server 2003	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Vista	X86-32
		X86-64 using the 32 bits compatibility of Windows
	XP	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Windows 7	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Server 2008	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Server 2008 R2	X86-32
		X86-64 using the 32 bits compatibility of Windows
NAS via CIFS	(See Gateway Proxy Capability)	

**Note (1):** The ADA HSM Client component is installed on each platform that has to access the data and not on the NAS

**Note (2):** Please check section [Atempo Digital Archive - Language Availability](#) for languages supported by this ADA components.

## ATEMPO DIGITAL ARCHIVE - ADMINISTRATION CONSOLE

ADA Administration Console		
Operating System	Version	Architecture
Microsoft Windows <sup>(1)</sup>	Server 2003	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Server 2008	X86-32 bits
		X86-64 bits using the 32 bits compatibility of Windows
	Server 2008 R2	X86-64 bits using the 32 bits compatibility of Windows
	Windows 7	X86-32 bits
		X86-64 bits using the 32 bits compatibility of Windows
	XP	X86-32
X86-64 using the 32 bits compatibility of Windows		
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64

**Note (1):** Please check section [Atempo Digital Archive - Language Availability](#) for languages supported by this ADA components.

## ATEMPO DIGITAL ARCHIVE - NATIVE USER INTERFACE

ADA User Interface (Client/Server Module)		
Operating System	Version	Architecture
Mac OS X <sup>(1)</sup>	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Microsoft Windows <sup>(2)</sup>	Server 2003	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Vista	X86-32
		X86-64 using the 32 bits compatibility of Windows
	XP	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Windows 7	X86-32
		X86-64 using the 32 bits compatibility of Windows
	Server 2008	X86-32
		X86-64 using the 32 bits compatibility of Windows
Server 2008 R2	X86-64 using the 32 bits compatibility of Windows	

**Note (1):** Archiving & Retrieval of objects located on remote share through Apple File Protocol (AFP) are not supported.

**Note (2):** Please check section [Atempo Digital Archive - Language Availability](#) for languages supported by this ADA component.

## ATEMPO DIGITAL ARCHIVE - JAVA USER INTERFACE

ADA User Interface (Client/Server Module) Java Interface (Java SE 6)		
Operating System	Version	Architecture
HP-UX <sup>(1)</sup>	11i v2 & v3	Itanium
IBM AIX	5.2 & 5.3	64 Bits
Linux		X86-32
		X86-64
SUN Solaris	Solaris 9 & 10	SPARC
		X86

**Note (1):** The HP-UX ADA JAVA User Interface does not support remote access to a share made through NFS.

**Note (2):** Please check section [Atempo Digital Archive - Language Availability for languages supported by this ADA component.](#)

## ATEMPO DIGITAL ARCHIVE - PREVENT RECALL OPTION

When using the stubbing capability on Mac OS X and using the Mac OS X Finder to browse the file system, unwanted recalls might be triggered by the Finder's preview capability.

Atempo Media Manager		
Operating System	Version	Architecture
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64

**Note (1):** The ADA Prevent Recall option does not support NFS protocol when the stub is hosted by a NAS.

## ATEMPO DIGITAL ARCHIVE - STORAGE DEVICES & STORAGE MANAGER CONNECTORS

Dedicated Storage System Integration					
Vendor	Product	Primary Storage	Archive Target	Native Stubbing	Storage Manager Connector
Atempo	Time Navigator				X
Cecurity.com	CFEC		X <sup>(6)</sup>		X
Data Domain	Deduplication Storage Systems		X <sup>(5)</sup>		
EMC	Celerra	X	X	X <sup>(1)</sup>	
	Centera <sup>(2)</sup>		X		X
	Atmos Cloud Storage		X		X
Exanet	ExaStore Clustered NAS	X	X		
FAST LTA	Silent Cube Storage	X	X		
HDS	HCAP		X		X
Isilon	IQ Storage Solution	X	X		
Pillar Data Systems <sup>(7)</sup>	Axiom	X	X		
Netapp <sup>(3)</sup>	FAS Series	X	X	X <sup>(4) (7)</sup>	
Nirvanix	Nirvanix Cloud Storage		X		X
Permabit	Permabit Enterprise Archive	X	X		
	Permabit Cloud Storage	X	X		

**Note (1):**

- To be able to apply HSM Filter Driver on Celerra, the server needs to be accessible by the Celerra
- The gateway can be a Windows, Mac, Linux or Unix machine

**Note (2):**

- EMC Centera is only supported when the compliance mode is not enabled.
- [No MAC support for the EMC Centera \(no API\)](#)

**Note (3):**

- When using the native stubbing capability on NetApp filers, please contact Atempo at [adarequest@atempo.com](mailto:adarequest@atempo.com) if the intended archive storage target is a disk-based storage device from a vendor other than NetApp.
- [Validation made on ONTAP version 6.4.](#)

**Note (4):**

- Gateway needs to be Windows (Fpolicy API limitation) - [If using Windows 2003 as a Gateway, SP1 is required](#)
- CIFS only volumes supported - CIFS/NFS volumes supported
- NFS only volumes not supported
- Client workstations using CIFS or NFS to retrieve ADA stubs on the NetApp filer are supported as long as the NetApp version supports these connection protocols.
- In order to backup the filer, NDMP backup should be launched from gateway machine (Windows only) or full files will be backed up

**Note (5):**

- Data Domain Deduplication Storage Systems are only supported as storage targets with NFS/CIFS

**Note (6):**

- Requires a P12 certificate from an authority

**Note (7):**

- If using the ADA Prevent Recall option, please refer to the Atempo Digital Archive - **PREVENT RECALL OPTION** section for more information on the environments supported.

**Note (8):**

- [Certification made on an Axiom 500 using microcode 4.01](#)

## ATEMPO DIGITAL ARCHIVE - GATEWAY PROXY CAPABILITY

Gateway Proxy Capability
<p>Any File Server sharing data through CIFS is supported using a Windows Gateway.                      NFS and Samba on UNIX are supported using a Gateway.  <a href="#">Only client archiving is supported to archive data stored on UNIX or MAC using CIFS.</a>                      NAS devices require the HSM Client to be deployed on all Client systems.</p>

## ATEMPO DIGITAL ARCHIVE – SHARED OR DISTRIBUTED FILE SYSTEMS

Dedicated File System Integration			
Solution	Version <sup>(3)</sup>	Primary Storage	Proxy I/O <sup>(1)</sup>
Apple XSAN	1.8	X	X
SGI Lustre	1.8.1.1	X <sup>(2)</sup>	X
Quantum StorNext	2.0	X	X

**Note (1):**

- The Proxy I/O feature is the capacity to delegate the archiving and retrieval IO made on a given platform to another ADA Agent on the network.

**Note (2):**

- The platform running the ADA Agent must be a Linux. Please contact Atempo at [adarequest@atempo.com](mailto:adarequest@atempo.com) if planning to use another type or version of Lustre.

**Note (3):**

- Validation done with the versions listed in the column.

## ATEMPO DIGITAL ARCHIVE – INTEGRATION WITH ATEMPO MEDIA MANAGER

The Atempo Media Manager needs to be installed in environments where the target archiving device is tape. It is the platform that enables ADA to access tape libraries and tape devices.

Atempo Media Manager		
Operating System	Version	Architecture
Windows	Server 2003	X86-32
		X86-64
	Server 2008	X86-32
		X86-64
	<a href="#">Server 2008 R2</a>	<a href="#">X86-64</a>
Linux		X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
	<a href="#">Mac OS 10.6 (Snow Leopard)</a>	<a href="#">X86-32 / X86-64 using the 32 bits compatibility of Windows</a>

**Note:** Atempo Media Manager can be installed on the same machine as the ADA agent or on a different machine. It is an option of the ADA agent.

### Drives supported:

Drives Supported			
Technology	Model	ADA	WORM Support
LTO HP	HP LTO-4	X	
	<a href="#">HP LTO-5</a>	X	
LTO IBM	IBM LTO-4	X	
	<a href="#">IBM LTO-5</a>	X	

## Libraries & Drives limitations:

### Drives:

The types of drives supported are the one listed as supported by Atempo Digital Archive in the above section.

### Libraries:

Atempo Media Manager only supports libraries that offer the barcode management capability. Please refer to the following section for more details: [Appendix – Libraries Supported By The Atempo Media Manager](#).

When barcode management is available, Atempo Media Manager supports the following library types:

- SCSI
- iSCSI
- Fiber Channel
- SAS (Linux and Windows only)

### Devices:

- Only tape libraries and tape drives [in a library](#) are supported ([no standalone drive](#))
- Only libraries with the serialization mechanism (drive serial numbers are reported by the library) are supported.
- Only devices with serial numbers are supported
- Device names must not contain space characters
- Barcodes on cartridges are mandatory and must be reported by the library
- Cleaning of tape drives is not supported (cleaning must be managed by the library)
- Only one type of tape drive per library is supported
- Device names must not contain space characters

### Other limitations:

- One Library Manager per tape library
- Tape drives and tape libraries connected through NDMP are not supported
- All library tape drives must be configured
- [Drive sharing is not supported](#)
- [Library sharing with other application is not supported](#)

### Database

- The Atempo Media Manager Server uses a database. This must be installed and created before using Atempo Media Manager.
- The current version of Atempo Media Manager does not have an integrated function for backup and restore of the PostgreSQL database. This must be ensured using external tools or using the PostgreSQL database has `pg_dump` and `psql` commands - Check the Atempo Digital Archive Administration Guide for more information.

### Other Media Manager supported

- Sun StorageTek ACSLS 7.3
- [Sun StorageTek ACSLS 8.0](#)
- Sun StorageTek LibAttach 1.4.2

## ATEMPO DIGITAL ARCHIVE - FULL CONTENT INDEXING SERVER

ADA Full Content Indexing		
Operating System	Version	Architecture
Linux		X86-64
Windows	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64

## ATEMPO DIGITAL ARCHIVE – PARTIAL RETRIEVAL

The Partial Retrieval<sup>1</sup> feature offered by Atempo Digital Archive is available for the following platforms:

ADA Component in charge of Archiving or Retrieving		
Operating System	Version	Architecture
Linux	Red Hat 4 (libc 6.3)	X86-64
	Red Hat 5 (libc 6.3)	X86-64
	SUSE SLES v11	X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Windows	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64

And for the following MXF Op1a to Op2 formats. If interested in using Op3 please contact please contact Atempo at [adarequest@atempo.com](mailto:adarequest@atempo.com) for more information.

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1 Feature available in the Rich Media Option – An additional license is required.

The Rich Media Option delivers Partial Retrieve for MXF media files and automatic Metadata Import for media industry file formats such as MXF, DPX,...

## ATEMPO DIGITAL ARCHIVE – METADATA IMPORT

The new Metadata Import<sup>2</sup> feature offered by Atempo Digital Archive is available for the following platforms:

ADA Metadata Import		
Operating System	Version	Architecture
Linux	Red Hat 4 (libc 6.3)	X86-64
	Red Hat 5 (libc 6.3)	X86-64
	SUSE SLES v11	X86-64
Mac OS X	Mac OS 10.5 (Leopard)	X86-32
		X86-64
	Mac OS 10.6 (Snow Leopard)	X86-32
		X86-64
Windows	Server 2003	X86-64
	Server 2008	X86-64
	Server 2008 R2	X86-64

And from the following graphical file formats:

ARW AVI AVS BMP CALS CIN CMYK CMYKA CRW CUR CUT DCM DCR  
 DCX DIB DJVU DNG DPX EMF EPDF EPT EXR FAX FITS FPX GIF GRAY HALD  
 HRZ SHTML ICO INFO INLINE JBIG JNG JP2 JPC JPEG MAT MIFF MONO  
 MOV MNG M2V MPEG MPC MPR MRW MSL MTV MVG MXF NEF ORF  
 OTB P7 PALM PAM PBM PCD PCDS PCL PCX PDB PEF PFA PFB PFM PGM  
 PICON PICT PIX PNG PNG8 PNG24 PNG32 PNM PPM PS PSD PTIF PWP  
 RAD RAF RGB RGBA RLA RLE SCT SFW SGI SHTML SUN SVG TGA TIFF

<sup>2</sup> Feature **available** in the Rich Media Option and the Automatic Metadata Import Option - An additional license is required for each option.

The Rich Media Option delivers Partial Retrieve for MXF media files and automatic Metadata Import for media industry file formats such as MXF, DPX,...

The Automatic Metadata Import Options delivers Automatic Metadata Import for media industry file formats (MXF, DPX,...) or graphic file formats (AVI, JPG, MPEG, JPG2000,...) depending on the option reference.

TIM TTF TXT UIL UYVY VICAR VIFF WBMP WMF WPG X XBM XCF XPM  
XWD X3F YCbCr YCbCrA YUV

## ATEMPO DIGITAL ARCHIVE - APPLICATION INTEGRATION

ADA – Application Integration	
Application	Version
Apple Final Cut Server <sup>3</sup>	1.0, 1.1, 1.5
Building4Media Fork Production Suite	N/A
Apple Final Cut Pro	6, 7

## ATEMPO DIGITAL ARCHIVE - LANGUAGE AVAILABILITY

ADA User Interface Language Availability	
Interface	Language
Administration Console	English, French
Native End-User Interface	English, French
End-User Interface (Java)	English, French

Character Coding Supported <sup>(1)</sup> by ADA	
ADA Component	Charset Supported
Windows User Interfaces	Native charset are supported (Language packs are not supported <sup>(2)</sup> )
JAVA UI	UTF8 (All UTF8 encoding charset are supported: Asian, Cyrillic,...)
MAC OS UI	UTF8 (All charset supported by MAC OS are supported)

**Note (1):**

- Character coding applies to character displayed in the ADA interfaces, to the names of the files archived, to the content of the files to archive and the metadata associated and the search on these metadata.

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<sup>3</sup> Automatic Metadata import is supported starting with Final Cut Server 1.5.

- Unicode/Double bytes coding is supported on Windows when using native charset only – meaning language packs are not supported.
- Arabic languages and other languages writing from right to left are not supported.

**Note (2):** In other words, adding an Asian language pack extension to a non-Asian Windows is not supported by the ADA HSM Client.

## ATEMPO DIGITAL ARCHIVE - CO-RESIDENCE WITH OTHER ATEMPO PRODUCTS

It is generally safe to install components from other Atempo products on the same host as Atempo Digital Archive, provided the host has sufficient processor, memory, storage, and network resources to support the combined load and the product versions are at least as current as the following:

Product	Version
Atempo Time Navigator	4.2 SP6 (and above) 5.0 is not supported
Atempo Live Backup	3.31
Atempo Digital Archive for Messaging	2.3 SP1 (and above)

**Note:**

Running multiple product components on the same host is not recommended in production environments. Like any business-critical application, Atempo products will perform best when run on dedicated hosts. Furthermore, troubleshooting issues with co-resident applications can be extremely complex, which may result in reduced service level. This section refers only to co-residence and not to interoperability with other Atempo products.

## ATEMPO DIGITAL ARCHIVE - CO-RESIDENCE WITH THIRD-PARTY PRODUCTS

Please carefully check the compatibility if running the Atempo Digital Archive modules listed below in the following environments:

Environment or solution	Atempo Digital Archive Module
Quota system on a file server	ADA HSM Filer Driver <sup>(1)</sup>
Replication solution	ADA HSM Filter Driver <sup>(2)</sup>
Antivirus	ADA HSM Filter Driver <sup>(3)</sup>

**Note (1):** The ADA HSM Filter Driver creates stubs presenting the size of the archived file although their real size is a few KB in conformity with Microsoft's specifications. Some quota systems can miscalculate free space and deny access during retrieval.

**Note (2):** Some replication solutions may cause the recall of the documents archived while opening the stubs created by the ADA HSM Filter Driver when replicating a file system. However, most solutions are able to detect that stubs are offline files, and they do not retrieve them.

**Note (3):** The stubs created by the ADA HSM Filter Driver may be retrieved by the antivirus software while browsing the stubs, thus causing massive retrieval. However, most Antivirus are able to detect that stubs are offline files, and they do not retrieve them.

The following solutions are fully compatible with Atempo Digital Archive or one of its modules:

Product	Is compatible with
DoubleTake replication solution	ADA HSM Filter Driver <sup>(1)</sup>
IBM Tivoli Storage Manager	ADA HSM Filer Driver <sup>(2)</sup>
NTP Software QFS version	ADA HSM Filer Driver <sup>(3)</sup>

**Note (1):** Validated with DOUBLE-TAKE version 5.1.1.867.0 generated on Jan, 7 2009 - A specific Registry setting is required – please contact Atempo support. Please note that the validation was done for standard Stubs, Dual State stubs are not supported.

**Note (2):** Validated with TSM 5.5.1 - A specific TSM Flag is required – please contact Atempo support.

**Note (3):** Validated with NTP Software Quota & File Sentinel version 5.2.2.24.

The following solutions are not compatible with Atempo Digital Archive or any of its modules:

Product	Not compatible with
Microsoft Windows 2003 R2 with the Quota option (FSRM)	ADA HSM Filer Driver

## APPENDIX – LIBRARIES SUPPORTED BY THE ATEMPO MEDIA MANAGER

The following lists the libraries supported by the Atempo Media Manager. Check section [Atempo Digital Archive – Integration with Atempo Media Manager](#) for the drives and connection supported by Atempo Digital Archive.

### QUANTUM:

- Adic Scalar i500
- Adic PathLight VX
- Adic Scalar i2000
- Adic Scalar 24
- Adic Scalar 10k
- Adic Scalar 100
- Adic Scalar 1000
- Quantum Scalar 50
- Quantum PX500 Series
- Quantum Scalar i500
- Quantum Scalar i2000
- Quantum PX720
- Quantum DX 30/100/3000/5000
- Quantum DXi 3500/5500
- ATL M1500 , M4 DATA MagFile , M4 DATA MagStack 2-4 , M4 DATA MagStack 5-10

### DELL:

- Dell ML6000
- Dell 160T
- Dell TL2000/TL4000

### ORACLE/SUN/STORAGETEK

- STK SL500
- STK L700 , Sun StorEdge L700
- STK L180 , Sun L180
- STK L20
- STK L40
- STK L80

- SUN STK SL3000
- Sun StorageTek VTL , Sun StorageTek VTL Plus , Sun StorageTek VTL
- Value , Sun StorageTek VTL Prime
- SUN STK SL3000
- Sun StorageTek C4
- Sun StorageTek SL24/SL48
- Sun StorEdge L400

### OVERLAND:

- NEO Series 2000/4000/8000 , REO Series 1000/4000/9000 VTL
- Arcvault Series
- REO Series 1000/4000/9000 VTL

### HP:

- HP StorageWorks D2D
- HP StorageWorks 1x8 G2
- HP MSL 2024/4048/6000/8096
- HP 1/8 Thinstor

### IBM:

- IBM TS3100/TS3200
- IBM TS2900

### SPECTRA LOGIC:

- Spectra Logic T24
- Spectra Logic T Series (T950,T120), Spectra Logic T50, Spectra
- Logic T-Series Mid-Range T200/T380/T680

## NEC:

- NEC LL009F
- NEC T40A
- NEC T16A

## DATA DOMAIN:

- Data Domain VTL

## NETWORK APPLIANCE:

- Network Appliance VTL

## FUJITSU-SIEMENS:

- Fujitsu-Siemens FiberCAT TX24

## QUALSTAR:

- Qualstar XLS
- Qualstar TLS Series
- Qualstar RLS Series

## TANDBERG/EXABYTE:

- Exabyte Magnum 448 , Tandberg StorageLibrary T48
- Exabyte Magnum 224 , Tandberg StorageLibrary T24
- Exabyte Magnum 1x7 2U
- Exabyte VXA 1x10 1U , Tandberg StorageLibrary VXA
- Exabyte VXA 1x10 1U , Tandberg StorageLibrary VXA
- Exabyte AutoPak
- Exabyte Magnum20
- Exabyte 480/X80/X200
- Exabyte 480/X80/X200
- EXB-210
- EXB-440
- Exabyte 480/X80/X200
- EXB-220
- EXB-430
- Exabyte 215
- Exabyte 110
- Exabyte 110
- Exabyte 221
- Exabyte 221