

AVID vs. APACE

Network Storage Solutions

On-line Storage

AVID Unity LanShare EX

Specs

GE Only model Rackmount-ready chassis (4U rack height)
Dual Intel Xeon 2.80 GHz processors
(16) 250 GB IDE drives (7200 rpm) and (1) 80 GB (7200 rpm) system operation drive
2 GB ECC SDRAM
(3) 450 watt power supplies (2+1 redundant configuration)
Gigabit Ethernet card

Internal Slimline 8x DVD; 24x CD-ROM drive
Windows 2000 Server with SP3 - 32 bit OS
SCSI port
(2) IDE controllers
Offered in Copper Gigabit Ethernet and Optical Gigabit Ethernet configurations

GE/FC model **(2) Dual channel 2 Gb Fibre Channel host adapters**
Supports all resolutions, from DV to HD. For example:
Via Gigabit Ethernet:
Up to 20 single stream clients at DV25, or
Up to 10 single stream clients at DV50
Via Fibre Channel:
Up to 3 dual stream clients at Avid DNxHD 145, or
Up to 2 dual stream clients at 1:1 10-bit SD, or
Up to 5 dual stream clients at 2:1
4 TB standard, expandable to 6.88 TB
Support for ABVB-, Meridien-, Avid Adrenaline-, and Avid Mojo-based Avid editing applications on Windows XP, Windows 2000, Macintosh OS X, OS 9, and OS 8.6
(Note: Windows NT clients supported on Avid Unity LANshare v3.5.3 and earlier)
Support for Avid Unity MediaManager, TransferManager, DMS, and Neararchive Productivity Tools
Minimal hardware components - requires only a LANserver EX (all-in-one storage and server unit), Ethernet switch, and (optional) Fibre Channel card(s)
Portable, compact design makes LANshare EX ideal for rentals or remote use

AVID vs. APACE

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Apace vStor

Rackmount-ready chassis (2U-5U) rack height
Dual AMD Opteron -64 processors
(8-24) 250/400GB s-ATA drives (7200 rpm) system operation drive
6-8 GB ECC SDRAM
(3) 450 watt power supplies (2+1 redundant configuration)
2 mother board based GE ports with up to 14 Gigabit Ethernet ports via NIC
Internal/External CD-ROM drive depending on model
Linux 64 bit enterprise
SCSI port Optional
(2-3)s-ATA raid 0/1/5 controller
Offered in Copper Gigabit Ethernet and Optical Gigabit Ethernet configurations
Optional FC HBA

Supports all resolutions, from DV to HD. For example:
Via Gigabit Ethernet:
Up to 40 single stream clients at DV25, or
Up to 20 single stream clients at DV50
Not needed
Up to 5 dual stream clients at Avid DNxHD 145, or
Up to 4 dual stream clients at 1:1 10-bit SD, or
Up to 8 dual stream clients at 2:1
1.5- 8TB Storage range

Supported

Supported

Supported

Supported

Open platform support connects your other tools to LANshare
Uses the ultra-reliable Avid Unity MediaNetwork software for powerful
file sharing and system administration
Click-and-drag to create or resize virtual partitions
True file-level sharing for all clients
Full administration and monitoring capabilities
Optional UnityRAID (0+1) data protection

Supported

Supported

GUI based support

Supported

Supported

Support for Raid 0/1/5

Price \$35K+

\$10K-\$45K depending on the model.

A comparable model to LanShare EX using Apace vStor v1000-3U3T(3U, 3TB) is \$18K

On-line Storage

AVID Unity LanShare for News

Specs 2.88 TB of storage (16 x 180 GB drives)
Additional 80GB internal system drive

Gigabit Ethernet Network Interface Card (NIC)

2Gb Optical Single Channel Fibre Channel Controllers for a total of 3 Fibre ports
Dual Pentium III 32-bit 1.26 GHz Processors and 2 GB
Internal 24x CD-ROM Drive and 1.44 MB Floppy Drive
Software (Avid Unity MediaNetwork / LANshare client software) and Documentation
Dongle with licenses for 20 Ethernet clients + 6 Fibre clients
UnityRAID for LANshare
Networking (depending on configuration):

100 BaseT Ethernet and Fibre Client Support:

24-port 10/100 Ethernet switch with 2 Gigabit uplinks and a 3m CAT-5 RJ45 to RJ45 cable OR

Gigabit Ethernet (Copper) and Fibre Client Support:
12-port 1000Base T Ethernet switch (10 1000Mbps RJ-45 ports with 2 GBIC ports)
and a 3m CAT-5 RJ45 to RJ45 cable OR

Gigabit Ethernet (Optical) and Fibre Client Support:
12-port 1000Base T Ethernet switch (12 GBIC ports) and a 3m CAT-5 RJ45 to RJ45 cable

On-line Storage

Apace vStor

1.5TB - 8TB of storage (8 to 24 bay x 250 GB to 400GB drives)
N/A
2 mother board based GE ports with up to 14 Gigabit Ethernet ports via NIC

Optional, typically not needed

Dual AMD Opteron 64-bit Processors and 6-8 GB SDRAM
Internal CD-ROM Drive

Compatible software and documentation

No client limit
Raid 5 support

Management ports and any larer 2/3 Switch supported, FC not applicable

Jumbo frame supported but not required

Management ports and any larer 2/3 Switch supported, FC not applicable
Jumbo frame supported but not required

Management ports and any larer 2/3 Switch supported, FC not applicable

Price \$35K+

On-line Storage

AVID Unity MediaNetwork

Specs Intel Dual Xeon 3.2 GHz Processors

3 GB ECC memory

Windows 2000 Professional operating system - 32 bit OS

Rackmount-ready (2U rack height)

Removable, lockable front cover

Optional redundant power supply

Avid Unity MEDIASwitch 16-4G

Rackmount-ready (1U rack height) with 16-ports per switch

Operating voltage: 100 - 240 VAC, 50-60 Hz

Power Source Loading: 1.0A at 100-120 VAC, 0.5A at 200-240 VAC

Operating temperature: +5° C to +40°C

Relative humidity: 5% - 90% non-condensing

Storage

Uses MEDIAArray II Drives and Chassis or MEDIAArray ZX Storage Subsystem

Host Adapters

ATTO 2-Gb or 4-Gb version

Avid Unity File Manager Software

AutoFailover option ensures any failure in primary File will cause secondary File Manager to take over operation of system

AutoRecover feature automatically recovers data on failing drives onto hot spares

MediaNetwork server-based status, diagnostics, and system tuning applications

Local or remote dial-in access

Automatic dial-out status change/error notification

Integration with ScheduALL resource management software

Jumbo frame supported but not required

\$10K-\$45K depending on the model.

A comparable model to LanShare EX using Apace vSTor v1000-2U1.5T(2U, 1.5TB) is \$10K

On-line Storage

Apace vStor

Dual Core/ Dual CPU AMD Opteron -64 processors

6-8 GB ECC memory(Ideal Cache memory for high speed writes and one step capture of SD

Linux 64 bit bit enterprise

2U - 5U rackmount

Supported

Standard Redundant power supply on 3U and 4U rackmounts,

Optional on 2U rackmount

Up to 14 Gigabit ports can be intergrated in the Chassis

Supported

Supported

Supported

Supported

Expandable with any SCSI or FC RAID

N/A, not needed, all traffic supported through GE

Not supported

supported

supported

supported

supported

N/A

Avid Unity Administration Tool

Allocation Groups (disk sets): define, increase, or redefine without interrupting operations

supported

Dynamic on-the-fly storage allocation through FlexDrive

Dynamic Storage allocation supported

Add and remove drives at any time without system

supported

Users: view, create, edit, delete, and assign passwords

supported

Workspaces: create, view, rename, move, delete, protect/unprotect, optimize, duplicate, increase/decrease size

supported

User Workspace Access: none/read only/read and write

supported

Log tab: errors, warnings, informational messages

supported

Monitoring: user status, Workspace status, comprehensive event log, read and write bandwidth usage

Configuration Assistant: automatically set up available drives Replace, Recreate, and Recover failed drives

supported

Avid Unity Monitor Tool

Total system bandwidth usage

N/A

Active clients

N/A

Bandwidth usage per client

N/A

Error notification

N/A

Avid UnityRAID

Complete media redundancy

supported

Increases performance by raising data availability and lowering system latency

supported at RAID 5 level

Protect/unprotect at any time (even after files are written)

supported

Per Workspace protection

supported

Protect all files/Unprotect all files

supported

Protect new files only/Unprotect new files only

supported

Flexible, real-time configurations with all clients simultaneously sharing media. For example v3.6 supports:

Up to 8 dual-stream clients at uncompressed 10-bit SD or 8 dual-stream clients at 10-bit Avid DNxHD 220x

supported via two Dual core/Dual CPU v2000 series

Up to 16 dual-stream clients at uncompressed 8-bit SD or up to 16 dual-stream clients at Avid DNxHD 145

supported via two Dual core/Dual CPU v2000 series

Up to 24 dual-stream 2:1 systems

supported via two Dual core/Dual CPU v2000 series

Up to 60 single stream DV25 systems

supported via two Dual core/Dual CPU v2000 series

Any combination of supported clients may simultaneously write or read media in the same workspace Ability for any network-aware system within the facility to share media assets through the Avid Unity PortServer feature (including SGI-IRIX systems)	supported support and allowed accessfor all PC, MAC and UNIX/Linux systems
Redundant File Managers for failsafe system operation through the AutoFailover feature	N/A
UnityRAID™ media protection allows flexible protection of media assets, at any time, and even allows media files to be protected after they've been written	N/A
Huge storage capacity of up to 20 TB with MEDIArray™ ZX or MEDIArray ZX4 storage, up to 14.3 TB with MEDIArray II Fibre storage	Self contained Storage and can be expanded via SCSI or FC if need be, no storge limit.
Supports a mix of real-time clients: Windows XP, Windows 2000, and Macintosh® OS X, OS 9, and OS 8.6 applications via Fibre Channel or via Ethernet with Avid Unity PortServer Pro.	Support for all platforms via Ethernet
Real-time support for all Avid editing applications (ABVB, Meridien, DNA) and Digidesign® Pro Tools®. File transfer support for any other network aware system through Avid Unity PortServer.	supported
Virtual storage partitions (workspaces) that can be changed in size dynamically without destroying media or interrupting work	supported
Simple administration through comprehensive system status, remote diagnostics and remote status notification Add or remove drives from a drive set without losing the media or interrupting other users	supported
Replace failed data drives with a simple menu command and recover the data without interrupting MediaNetwork operations	supported
View, create, edit, and delete user accounts (with optional passwords) and assign users access privileges to workspaces	supported

Support for Avid Unity MediaManager, TransferManager, DMS, and Nearcache Productivity Tools

supported

Price 100K+

\$10K-\$45K depending on the model.

Near-line Storage

Near-line Storage

Nearcache

Apace eStor

Rackmountable chassis (4U rack height)
Intel Pentium 4 2.20 GHz processor
(16) 250 GB IDE drives (5400 rpm) and (1) 60 GB (7200 rpm) system operation drive
1 GB DDR RAM
(3) 300 watt power supplies (2+1 redundant configuration)
Gigabit Ethernet card
Internal 24x CD ROM drive
Windows 2000 Server software - 32 bit OS
Dual RAID controllers

2U - 4U Enterprise Rackmount support
Single and Dual Core/ Dual CPU AMD Opteron 64 bit
250GB and 400GB s-ATA based configurations
1 GB DDR RAM with upgrade to 8GB available
(3) 450 watt power supplies (2+1 redundant configuration)
Built in 2 GE ports upgraded via NIC cards to 14 GE ports
Internal/External CDROM drive depending on Model
Linux 64 Enterprise
Dual-Triple raid controllers with Raid 0/1/5 support

Feature

Feature **Multiple workgroup configurations**

Function

Function Provides a nearline storage cache for Unity workgroups as well as non-Unity Avid environments

Benefit

Benefit Media is available and searchable to *any* user on the network

Feature

Feature **Ease of use**

Function

Function browser-based GUI accessible from anywhere in the world

Benefit

Benefit Rapid learning curve; little training

Feature

Feature **Unified Search**

Function

Function eStor and vStor share a very similar GUI based user interface

Benefit

Benefit Faster locating of and access to any online or near-line media in multiple Apace shared storage systems

Feature

Feature **Hardware RAID protection**

Function

Function RAID 5 support. Option to back up from vStor to eStor

Benefit

Benefit Reliable media access even during a drive failure

Feature

Feature **Affordable**

Function

Function Low-cost per-gigabyte media storage with both media and transfer management included

Benefit

Benefit Introduces facilities into a shared-media, collaborative workflow without the expense of real-time, online storage

Feature

Feature **Scalable**

Function

Benefit

Feature

Function

Benefit

Feature

Function

Benefit

Feature

Function

Benefit

Feature

Function

Benefit

Feature

Function

Benefit

Feature

Function

Benefit

Feature

Function

Benefit

Scales from **2 TB to 9.6 TB integrated in the Chassis and**

Function **expandable via SCSI port** - store hundreds of hours of DV25, DV50, SD and HD material

Benefit Media facilities and broadcast stations can build for future media storage needs

Feature **High-speed archives and restores**

Function **Transfer rates of up to 300+ MB/sec**

Benefit Short wait during transfers mean editors can get to work sooner, with fewer interruptions

Feature **Intuitive**

Function Fast drag and drop, multithreaded transfers between vStor and

Benefit Simple drag-and-drop from storage to editors (or from editors to storage) makes archive and restore tasks seamless

Feature **Comprehensive media storage**

Function Stores clips, sequences and non-Avid objects (using Desktop Check-in)

Benefit Any file type can be stored, searched and accessed, to keep projects organized

Feature **MediaManager interface included**

Function N/A

Benefit N/A

Feature **Native Avid integration**

Function eStor is fully compatible with AVID environment

Benefit Seamless usability between archive and editing tasks

Feature **Accessibility**

Function Simple network-attached media storage

Benefit Provides open access with no seat license restrictions

Feature **Flexible connectivity**

Function Either TransferManager server on a workgroup, or stand-alone TransferManager in the editor

will enable any editor to access central media

Benefit Accessible over generic IP networks, LAN and WAN

Price **\$35K+**

\$8K-\$28K