

SYNERGY XTR™

ADVANCED RAID PROTECTED ADD-ON STORAGE FOR AVID UNITY MEDIANETWORKS™

Archion's Synergy XTR is the result of a decade of experience in providing Avid Unity MediaNetwork based solutions. Archion Engineers developed the award winning Vdisk™ storage technology to enable the plug and play integration of hardware parity RAID into Unity MediaNetworks without changing the standard workflow. Synergy XTR eliminates the need to mirror your storage or compromise your media. Unity MediaNetwork owners can now add storage at a fraction of the cost while improving their protection, scalability, performance, and investment protection.

KEY BENEFITS:

MAMMOTH STORAGE CAPACITY

Up to 32TB in a single 3RU chassis. 24TB is protected and usable. Exceptionally cost effective such that there's no need to constantly back up data.

HIGH THROUGHPUT

High Performance 4Gb Fibre Channel and 6 GB SAS architecture enables transfer speeds significantly higher than the competition. For even higher throughput, XTR is upgradable to 8Gb FC.

COMPLETE DATA PROTECTION

High speed, high availability RAID controller with Archion's Vdisk™ brings full RAID protection to Avid Unity™ environments.

TOTAL UPTIME

Drive failure is no longer a major issue that prevents productivity. During rebuilds, the Synergy XTR users can continue to work. Front panel alert lights allow for at a glance status check.

REMOTE MANAGEMENT

Full web based RAID management tools for SMTP and SNMP makes it easy to set up email notification and event management. Advanced SES services allow for easy checking of drive status and enclosure environment. Password protected monitoring and management is available from anywhere on the Internet.



SYNERGY XTR MODEL	XTR-8TB	XTR-16TB	XTR-32TB**
Total Storage	8TB	16TB	32TB
Usable Storage*	6TB	12TB	24TB
Drive Size	500GB	1TB	2TB

*Usable storage is the amount of RAID 5 protected storage. This capacity may vary based on type of configuration. **The XTR-32TB model is only compatible with Avid Media Engine 5.1 with 4 gigs of RAM (compatible with 1TB drives.)




Synergy XTR is designed for Unity Media Engine™ 5.x, but is also certified for use with Unity MediaNetworks™ (4.1x - 4.2x). It delivers 8, 16, or 32 Terabytes (TB) of storage in a compact 3 rack unit design with 16 drive chassis. With the award winning and patent pending Vdisk™ technology, Archion can assure compatibility between versions and that operation is transparent to the Unity™ system. Synergy XTR introduces new levels of storage management and protection into Unity MediaNetworks.








All XTR systems are pre-configured, so just plug in to the storage port on your Unity™ and add to or create a data set. Further enhancing Unity Media Engines, multiple Synergy XTR chassis' can be attached to a Unity™ 5.1 delivering the maximum capacity of 128TB's of usable protected storage. XTR can also help maximize the Unity™ 4.2x with nearly 40TB's of fully protected storage.

Synergy XTR has a built-in highly intelligent hardware RAID controller to manage the storage more efficiently and it automatically rebuilds a faulty drive, so the rest of the network is unaffected by the drive failure. Archion's hardware RAID controller consistently checks, identifies, and repairs drive errors while ensuring constant data flow. If one of the drives should fail to perform, the hot spare drive kicks in and automatically and seamlessly rebuilds the data. Clients continue to work, log off, and log on as normal without interfering with the Unity operation.

Synergy XTR provides better protection with less storage overhead than Unity™ RAID. All XTR's are configured in RAID level 5 and this can provide over 60% more usable storage than mirroring. Adding to this, the RAID controller manages the disk drives, RAID sets, and Vdisks™ in a more efficient manner, requiring far fewer drives than Avid storage subsystems to deliver higher capacities and resolutions.

TECHNICAL SPECIFICATIONS:

-  Certified SANs:
 - Avid Unity MediaNetworks (4x-5.x*)
-  Works With Your Tools:
 - Avid Media Composer
 - Avid Nitris DX
 - Avid Mojo DX
 - Final Cut Pro Studio
 - Adobe CS5
 - Pro Tools
 - AJA
-  Storage

Each Synergy XTR comes fully populated with high speed SATA II drives. XTR™ comes in 8TB, 16TB and 32TB capacities giving it the highest Unity storage density available. 6GB SAS/SATA architecture assures the highest compatibility with latest drive technology. (Note: 32TB chassis are only compatible with Unity 5.x)
-  RAID Controller and Cache
 - XTR RAID controller with Archion's Vdisk™ technology and Ethernet raid management GUI.
 - 512 Gig of cache ram tuned for Avid Unity version 4.x to 5.x
 - Advanced monitoring of drives through SES services
 - Front panel fan and drive alert lights for error notification.
-  RAID Operation
 - RAID level is tuned for full 4Gb Unity performance.
 - Pre-configured for Unity operations, allows for dual port performance on Unity 5.x.
 - Automatic failover and background rebuilding of drives. Global hot spare covers all drives.
-  FC and Host Connections
 - Dual 4Gb Fibre Channel ports with optical SFP's (included)
 - Full compatibility with 4Gb Fibre Channel Architecture
 - Support for loop, point to point and fabric Architectures
-  Cooling
 - Upgradable RAID controller to 8Gb Fibre Channel
 - Dual port Unity configuration allows to connect on both ports for up to 700MB/sec bandwidth.
 - Ethernet and RS-232 port for out of band management and remote event notification.
 - Redundant, hot-swappable fans with automatic speed control and front to back cooling.
 - Built-in environmental management for constant optimal temperature control of entire chassis.
-  Electrical
 - Three redundant hot-swappable power supplies (750W) universal input (100-240V AC)
 - Maximum input current 6A at 100-120V or 3A at 220-240V
 - Frequency: 47Hz to 64Hz, single phase
 - Power Usage: 400W typical continuous power, 500W maximum continuous power.
 - RoHS compliant
-  Environmental Requirements
 - Operating Temperature 5C to 35C
 - Non-operating/storage -40C to 70C
 - Relative humidity (non-operating): 95% at 30C noncondensing
-  Dimensions and Weight
 - Height: 3RU rackmount
 - Width: 17 inches (43.2 cm)
 - Depth: 27.875 inches (70.8 cm)
 - Fits industry standard 19 inch rack for 30 to 36 inches deep Weight 100 lbs (45.3 kg)

*32TB model is only compatible with Unity MediaNetwork version 5.1 that has 4 gigs of RAM (compatible with 1TB drives).

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