

EditStor Omni provides creative facilities a single networked storage solution for all their high performance media collaboration needs. From 4K to 6K media files, to every day compressed video and audio streams, Omni has the performance and capacity to handle it all. Omni is setting new standards for demanding post production workflows

KEY BENEFITS:

EXTREME SPEEDS

Up to 8,000 MB/s of bandwidth utilizing all HDD and an increase to 15,000 MB/s with an all SSD expansion.

MULTI PROTOCOL & OS

Sharing of files over multiple protocols, including SMBv3, NFSv4 and AFP, for greater sharing efficiency across Mac, Windows and Linux operating systems

USERS AUTHENTICATION

Windows Active Directory, internal/external LDAP and more advanced users and groups control

PROJECT SHARING

Sharing of storage and projects that is transparent to Avid Media Composer systems and requires no changes to Avid Workflows. Mac and PC

BANDWIDTH EXPANSION

Hot pluggable expansion chassis can be added to expand bandwidth up to 8000MB/s. The virtual share sizes can be increased on the fly through the GUI.

Up to
8000MB/s
Bandwidth



EDITSTOR OMNI	EMI-96TB	EMI-144TB	EMI-192TB	EMI-240TB
Total Storage	96TB	144TB	192TB	240TB
Usable Storage*	80TB	120TB	160TB	200TB
Drive Size	4TB	6TB	8TB	10TB

*The available space is shown in 2⁴⁰ bytes units, the same way operating systems calculate it. Hard drive manufacturers use 10¹² byte units. Usable Storage is the amount of RAID 5 protected storage less the failover hot spare. The usable capacity can vary based on type of configuration. Performance numbers should not be used to configure playback, but can be used to determine the aggregate bandwidth available.

It's time for media facilities to move on from the complicated and expensive SAN technology which require multiple servers to support metadata, SAN software and more while limiting important functionality. EditStor Omni's tremendous capabilities are delivered in a single, online high density networked storage server for simplicity and cost effectiveness. With 10GbE optical Copper connections standard and optional 40GbE (as well as just basic GbE copper), your storage technology can seamlessly blend in with your existing IT architecture.

Media facilities need to be prepared for highly demanding editorial requirements and EditStor Omni is solution to rely on. Finishing and compositing professionals have been mostly limited to local storage in the past because networked storage could not provide the necessary speeds, management and affordability. With 4-fold or greater increase over HD, 4K play back is a challenge for most networked media storage systems. Omni is different and delivers the throughput, IOPS and performance optimized storage technology to address the demands of high bandwidth networking.

EditStor Omni is your ultimate compatibility and collaborate engine with interoperability for all the favorite production tools - including 4K cameras from AJA, ARRI, Blackmagic, RED, Sony and more - as well as all the editorial applications - such as Adobe Premiere® and After Effects®, Avid Media Composer® and ProTools®, Apple Final Cut Studio®, Autodesk Smoke® and Flame, Blackmagic Resolve, and other popular finishing tools. Includes the Archion's PICS media management system for searching and playback of media on the Omni. The flexibility of EditStor Omni is truly unmatched for media workflows. With a comprehensive, yet easy to use, GUI, connecting up an unlimited number Windows, Macintosh and Linux clients is simple; there are no drivers, installers or client licenses required. Adding to this is a broad spectrum of media management features. This begins with ability to create shared volumes of any size while also having the convenience of being able to expand those volumes on the fly without downtime and performance degradation. EditStor Omni expansion chassis's can be added to expand the throughput up to 8000MB/s as well expanding the capacity to the same volume group or separate without shutting down or stopping work. A true 4K digital workflow is available and affordable with EditStor Omni.

TECHNICAL SPECIFICATIONS:

Storage

- Each Editstor Omni is fully populated with high speed SATA 3.0 drives on a PCIe 3.0 bus for Max Throughput
- EditStor Omni comes in 96TB, 144TB, 192TB and 1240TB capacities with the latest 12Gb/s architecture.
- The storage is preconfigured with RAID 5 and a hot spare for maximum protection.
- EditStor Omin RAID controller with 12Gb/s data transfer rate
- 128Gb of system RAM for fast processing
- Supports RAID Levels 0, 1, 5, 6, 10, 50 and 60
- Hot pluggable expansion chassis with 48TB, 96TB, 144TB, 192TB and 240TB capacities

RAID Operation

- RAID is configured and tuned for digital video over IP
- Automatic failover and rebuild is pre-configured. Global hot spare covers all drives

GigE and Host Connections

- Comes standard with 4 optical ports (10GbE)
- Comes standard with 4 10000BaseT ports (10GbE)
- Upgrade options include up to three additional 4 port 10GbE optical cards or 4 port 10GbE copper cards or 2 port 40GbE card maximum of 16 ports
- Web based configuration GUI for headless operation. No need for Monitor, keyboard or mouse for operation
- Configured for either direct connect or multiport switch
- Supports load balancing and jumbo frames for maximum throughput

Storage Management

- S.M.A.R.T. with E-Mail Notification
- Support for Logical Volumes over 50TB
- Multiple Snapshots (multiple active snapshots per one LV at time)
- Multiple Logical Volumes and Groups
- Online Logical Volume Expansion
- Support for Online Capacity Expansion
- Built-in, SNMP based monitoring system

Network Storage Features

- Windows Active Directory / Primary Domain Controller

- Avid Project Sharing
- File System with Journaling Support
- User and Group Quota Control
- SMBv3, NFSv4 and AFP

Backup Utilities

- Local Backup
- Integrated Backup System
- NDMP v3.0 Support (Network Data Management Protocol)
- USB Storage Support for Dynamic Disk
- Backup-Agents



Cooling

- 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

- Dual redundant hot-swappable power supplies (950W) universal input (100-240V AC)
- Maximum input current 4A at 100-120V or 5A at 220-240V
- Frequency: 47Hz to 64Hz, single phase
- Power Usage: 400W typical continuous power, 700W maximum continuous power.
- RoHS compliant



Environmental requirements

- Operating Temperature 5C to 35C
- Non-operating/Storage -40 to 70C
- Relative humidity (non-operating): 95% at 30C non-condensing



Dimensions and Weight

- Height: 4RU 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 150 lbs (68 kg)

EditStor Omni

SHARED STORAGE FOR ALL EDITORIAL WORKFLOWS

