

# Elevate Media Workflows

## Ardis Technologies DDP10EF with SupremeRAID™ SR-1000 and A/V FS

 Graid Technology Inc.



### SupremeRAID™ & DDP10EF: High-performance storage tailored for media and entertainment.



#### Optimized for Media & Entertainment

The DDP10EF combines the cutting-edge SupremeRAID™ SR-1000 with Ardis Technologies' purpose-built A/V FS file system to deliver unmatched performance tailored for M&E environments. This powerful setup integrates a 1U Supermicro server with 100GbE/QSFP28 ports and up to 10 NVMe SSDs in RAID 5, achieving blazing-fast speeds of up to 40GB/s read and 30GB/s write bandwidth.

Designed to support complex media workflows, the DDP10EF enables seamless project sharing across Windows, Mac, and Linux platforms. Leveraging block I/O protocols such as iSCSI for Apple Macs and iSCSI and NVMe-oF/RDMA for Linux and Windows, the system ensures optimal performance even for demanding video, audio, and film formats, including 4K DPX and 8K DPX. With support for 25GbE and 100GbE adapters, multiple users can collaborate on media-intensive projects with speed and efficiency.

#### Advanced A/V FS Capabilities

Built for the unique demands of M&E workflows, the A/V FS file system empowers teams with advanced project sharing and collaboration tools. The A/V FS driver, installed on each connected computer, seamlessly manages metadata to enable project sharing as well as Avid bin locking, all without additional licensing fees. This ensures smooth, reliable collaboration across systems while maintaining the high-performance standards required by modern media workflows.

A/V FS also features a highly intelligent caching system when hard disk storage arrays are connected, designed to optimize NVMe SSD usage. By allowing precise control over data storage, users can specify which project folders are cached, how quickly data moves to and from cache, and when to clear cache data. This innovative approach ensures predictable performance and cost efficiency, enabling M&E teams to handle large, unstructured datasets without compromising speed or reliability.



#### KEY FEATURES

- Exceptional read/write speeds: Up to 40GB/s read, 30GB/s write
- Seamless project sharing for M&E applications
- Support for 4K DPX to 8K DPX workflows
- Intelligent caching for cost-effective storage
- Built-in collaboration tools, also including Avid bin locking

#### USE CASE: Unleashing Creativity in Media Production

The DDP10EF with SupremeRAID™ SR-1000 and A/V FS is the ultimate solution for media and entertainment professionals tackling demanding workflows. From editing 4K and 8K video to managing complex audio and visual effects projects, this system provides the performance and reliability needed to stay ahead in a fast-paced industry. Imagine a video production studio where multiple editors and sound engineers work simultaneously on high-resolution projects. The DDP10EF ensures uninterrupted collaboration, seamless project sharing, and blazing-fast access to critical files, even over high-bandwidth networks like 25GbE and 100GbE. Whether it's film editing, post-production, or content creation for streaming platforms, the DDP10EF empowers teams to meet tight deadlines and produce stunning results.

## Take Your Media Workflows to the Next Level!

**Ardis Technologies and Graid Technology: Elevating media workflows with intelligent, high-performance storage solutions.** Future-proof your media production with the unparalleled performance of the DDP10EF, powered by SupremeRAID™ SR-1000 and A/V FS. Contact us today to learn more.

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