

Ultimate EFS NVMe Hybrid Feel the Beat of Innovation and Power



The Ultimate EFS Hybrid fuses the future and present with a groundbreaking blend of NVMe and HDD technologies in a single 2U chassis. This hybrid powerhouse delivers unmatched versatility and performance for media professionals ready to bridge cutting-edge workflows with trusted performers.

Unrivaled Speed and Capacity

The EFS Hybrid combines up to 122TB of lightning-fast NVMe with 192TB of reliable HDD storage in one 2U node, offering a perfect balance of extreme speed and massive capacity.

The NVMe delivers a robust 10GB/s aggregate read throughput, empowering uncompressed or file-per-frame, Multi-ISO UHD captures, and high-resolution, high-bit-rate projects. Meanwhile, the HDD maintains the traditional EditShare stream counts comparable to an Ultimate EFS 210, which is ideal for typical compressed media workflows and offers vast storage capacity, ensuring the best of both worlds in a single node.

Built for the Most Demanding Workflows



The EFS Hybrid merges next-generation NVMe performance with the cost effective capacity of HDD, all driven by the media-aware EditShare File System (EFS). The EFS Native Client, a high-efficiency, multi-threaded driver with ultra-low overhead and latency, outperforms legacy protocols like SMB or NFS, enabling direct, high-speed data transactions across Windows, macOS, and Linux workstations.

Start UHD projects on NVMe, generate high-res proxies, and use EditShare's Storage Goals architecture to migrate mediaspaces to HDD. Once the editorial is approved, shift back to NVMe for final finishing with the source content. Or store offline and/or proxies on the HDD and finish from the NVMe in the same box. This super-fast setup supports Avid and Blackmagic project sharing, integrates with Adobe and Blackmagic panels, and includes FLOW for asset management, ingest, and powerful automation.

Scalable Storage Options

Start with 15TB NVMe plus 192TB HDD or scale the NVMe up to 122TB to meet your needs within the 2U chassis. Whether building an enterprise media hub or a compact hybrid solution, the EFS Hybrid adapts with exceptional speed and capacity tailored to your workflow.

Real-World Applications: Extreme Power in Action

Unleash Hybrid Restoration Power

Get the speed you need today with the EFS Hybrid for Multistream UHD ingest.

Capture full-frame UHD across multiple channels at the highest bit rate, directly into an EFS mediaspace.

Utilize NVMe's incredible bandwidth to process 4K HDR streams, generate proxies on HDD, and enable multiple Resolve editors to color-grade the final UHD output on NVMe.

Supporting hundreds of concurrent users

A single 2U node can power hundreds of users on NVMe, editors, broadcasters, and students, handling UHD edits on NVMe and broadcast compressed workflows on HDD without slowdowns. Add a 60NL for DR and backup of all content.

Performance and Sustainability: A Greener, Smarter Choice

Designed with efficiency in mind, the EFS Hybrid "Pulse" reduces heat output, density, and power consumption, lowering operational costs for studios. Its hybrid design allows multiple creators to share one node, minimizing hardware and energy use while delivering superior results.

Ready to Redefine Your Media Workflow

The Ultimate EFS Hybrid "Pulse" brings industry-leading performance, combined with vast storage capacity in one efficient 2U chassis. Perfect for UHD, HDR, and traditional broadcast workflows, it's the next evolution in high-performance media infrastructure.

EFS Hybrid 2U Node



ELECTRICAL	
Input Voltage	100 - 240 VAC
Input Frequency	50/60 Hz

DIMENSIONS	
Width/Height/Depth	430 x 88 x 680 mm
Width/Height/Depth	17 x 3.5 x 26.8 in

ENVIRONMENTAL	
Operating Temperature	0°C (32°F) - 50°C (122°F)
Operating Humidity	5% - 95%, non-condensing
Storage Temperature	-20°C (-4°F) - 60°C (140°F)
Storage Humidity	5% - 95%, non-condensing

HARDWARE SPECIFICATIONS

- 2U chassis with tool-less slide rails
- Motherboard with high-performance 5th gen Xeon 12-core CPU (Emerald Rapids)
- 64 GB DDR5 ECC RAM
- Mirrored 480GB SSD OS drives, hot-swappable
- Hardware RAID controllers with RAID 5 and write cache protection
- 4 enterprise-grade U.2/U.3 NVMe SSDs in configurations from 15 to 122 TB capacity
- 8 enterprise grade 3.5" 24TB 7200rpm SATA HDDs
- Hot-swappable power supplies, fans, and drives
- Standard dual-port 100GbE QSFP28/56 ethernet + dual port 1G-BaseT ethernet
- IPMI management port RJ45

MODELS AND OPTIONS

MODEL	RAW CAPACITY NVME (TB/TiB)	USABLE CAPACITY NVME COPY 1 (TB/TiB)	RAW CAPACITY HDD (TB/TiB)	USABLE CAPACITY HDD COPY 1 (TB/TiB)
Ultimate EFS Hybrid 15/192	15/14	11/10	192/174	144/130
Ultimate EFS Hybrid 30/192	30/27	23/21	192/174	144/130
Ultimate EFS Hybrid 61/192	61/55	46/41	192/174	144/130
Ultimate EFS Hybrid 122/192	122/111	92/83	192/174	144/130

SOFTWARE SPECIFICATION

- EditShare OS 64-bit Operating System
- EFS Native Client driver for Windows, macOS, and Linux
- Supports Native EFS or SMB, and other protocols
- Integrated support for Avid/Blackmagic project sharing, Adobe/Blackmagic panels
- Includes FLOW Asset Management, 10/2 FLOW ingest licenses with the 10-pack Automation engine

