

Transform Your Workflow into an EFS High-availability Cluster with the Power of the Ultimate Series MDC



EFS Metadata Controller

The Ultimate Series Metadata Controller (MDC) is your essential solution for high-performance storage management and traffic control across your EFS nodes. Built for demanding media workflows, the MDC ensures the handling of large-scale data operations, providing the backbone for your content creation, storage, and distribution needs.

Key Features

Advanced 2U Design: The Ultimate Series MDC features a compact, rack-mounted 2U chassis, designed for efficient integration into your existing setup.

High Availability (HA) Configuration: Built for high availability, the Ultimate Series MDC can be deployed in pairs to eliminate any single point of failure. This ensures continuous operation, even in the event of hardware or network issues, making it ideal for mission-critical media environments.

Dual-Port 10G-Base T Connectivity: Equipped with dual-port 10G-BaseT for ultra-fast networking, the MDC guarantees low-latency access and rapid data transfers across your network, optimizing performance in high-demand environments.

Superior Processing Power: Boasting upgraded processing capabilities, the MDC can support at least 50 million filesystem objects per cluster. It can also be customized with additional RAM (256 GB or 512GB) to accommodate even higher file counts (400 million+).

Robust Metadata Management: Featuring two mirrored hot-swappable SSDs dedicated

to system configuration and metadata management, the MDC offers enhanced reliability and redundancy. This safeguards against data loss and ensures uninterrupted workflow.

Auditing Capabilities: For organizations requiring detailed audit trails, the optional auditing kit provides up to 8TB of mirrored RAID 1 storage, allowing for the retention of a full year's worth of auditing data. This is crucial for maintaining regulatory compliance and tracking system usage.

Redundant Power and Cooling: The MDC is engineered with dual power supplies and advanced cooling systems, ensuring continuous operation in the event of component failure. The mirrored primary SSD drives and mirrored auditing drives further enhance its fault tolerance.

Seamless Integration

Ultimate Series Metadata Controller is fully compatible with the EFS 210, 310, and 410 platforms, making it a versatile addition to your storage ecosystem. Designed for Ultimate clustered platforms, the MDC excels in handling complex media workflows, providing robust metadata management across all nodes.

Applications

Media and Entertainment: Ideal for post-production houses, broadcasters, and content creators who require reliable and scalable metadata management.

Enterprise Content Management: Suitable for large-scale enterprise deployments where high availability, data integrity, and auditing are critical.



Ultimate EFS MDC Front



Ultimate EFS MDC Rear

Ultimate EFS MDC Product Information

MODELS AND OPTIONS

2U Node

- 2U MDC
- Mirrored SSD OS drives with hardware RAID 1 failover
- Select dual port 10G-BaseT RJ45, Dual port 10G SFP+, Dual port 25G SFP28
- 4 port 25 GbE, SFP28, Dual port 100 GbE, QSFP56

HARDWARE SPECIFICATION

- Next-generation 2RU chassis with 20" tool-less slide rail
- Motherboard with powerful multi-core Xeon CPU
- 64GB DDR5 ECC RAM (expandable to 256GB or 512GB)
- Mirrored 480GB SSD OS drives, hot-swappable, rear-accessible
- Hot-swappable power supplies, fans, media and OS drives
- Standard dual port 10G-BaseT RJ45
- IPMI management port RJ45
- Options, dual port 10G-BaseT RJ45, dual port 10G SFP+, dual port 25G SFP28 4 port 25 GbE, SFP28, dual port 100 GbE, QSFP56
- Standard dual port 10G-BaseT RJ45
- Dual redundant auto-switching power supplies

SOFTWARE SPECIFICATION

- EditShare OS (Ubuntu) 64-bit Operating System
- EFS Native Client driver for Windows, Mac OS and Linux
- Supports Native EFS or SMB network, and other protocols

Technical Specifications

ELECTRICAL

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Power Supply	2U 800W 1+1 redundant

DIMENSIONS

Width/Height/Depth	431.8 x 88.9 x 450 mm 17 x 3.5 x 17.7 in
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ENVIRONMENTAL

Operating Temperature	0°C(32°F) ~ 50°C (122°F)
Storage Temperature	0°C(32°F) ~ 50°C (122°F)
Storage Humidity	5% ~ 95% non-condensing