



True Active-Active Hybrid Controller Failover!

Designed for Video Editing and Content Creation Professionals

PRO FCa/iSCSI Hybrid



NEW

Two high-performance 4Gb/s Fibre Channel RAID Controllers.

Two iSCSI RAID Controllers.

One 4Gb/s , One iSCSI RAID Controller.

Possible Systems Configurations

- Robust availability and reliability
- 4Gb Fibre Channel and or iSCSI.
- SAS or SATA Drives
- RAID 0, 1, 5, 6, hot spares supported.
- Final Cut Studio, Premiere and other popular editors certified.
- ProRes, DV, DVCPRO HD, HDV, uncompressed SD/HD, 2K , 4k Film formats.
- Multiple real-time streams.
- Web-based GUI RAID Console management.
- Mac, PC, Linux Compatible.
- MPIO (multipath) support.
- SAN Ready for shared storage environment.
- Built-in Ethernet management port, email notification
- Enclosure Management
- Four Fibre Channel host interface ports.
- Two removable independent high-performance RAID Controllers.
- 3Gb or 6Gb SATA or SAS drive compatible.
- 3u rackmount - 16 hot swappable drive bays.
- All metal drive tray - stronger, cooler, looks great.
- Hot swappable cooling fans.
- Redundant hot swappable power supply.
- Optional rackmount rails.
- 36 year warranty .

www.dulcesystems.com 818-435-6007 sales@dulcesystems.com



Dulce Systems is pleased to provide to the innovative artists more freedom to make creative decisions on time and on budget. Dulce Systems is the ideal storage provider for independent artists and full-service post houses alike.



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SPECIFICATIONS

PRO FCa, Active-Active Controller Failover	
Model (RAID 0 capacity) SATA drives, SAS drives optional.	PRO FCa-16TB, PRO FCa-32TB, PRO FCa-48TB - SATA Capacities
Disk Drives (3.5")	16 hot swappable SATA/SAS 3Gb/6Gb, 7200/15000 RPM
Interface	Host: Four 4Gb Fibre Channel ports (2 ports per controllers) or iSCSI (4 ports per controller) Expansion: Two 4 lane SAS Expander ports (1 per controller) Management: Two Ethernet ports (1 per controller)
Controllers / RAID Level	Two independent RAID controllers. Hardware RAID 0,1,5,6, hot spares. Auto insert/remove detection. Instant availability/background initialization.
Memory	1 GB each controller.
Real-time Playback (with SAS drives, 2 Xsan stations)	Two 2k, 4k film, 4 uncompressed HD plus 2 SD, Multiple RED, ProRes, DVCPRO HD, HDV, DV and others. ***
Data Rate (read/write)	4Gb/s, 900 MB/s RAID 5, iSCSI, 320 MB/s (MPIO 4 chan)* 4Gb/s, 370 MB/s, iSCSI, 100 MB/s in all RAID levels (1 chan)**
Compatibility	Mac OS X, Windows 7 / Windows XP (>2TB PC support) / Server / Vista / 2000, Linux. AJA, Blackmagic, and other popular capture cards.
Plug and Play	Pre-configured and formatted.
Electrical	95V–265V, 47-63HZ, auto range.
Current	Idle: 150W, Read/Write: 300W, Max: 450W.
Physical	3u 19" rackmount.
Dimensions	23 x 17.5 x 5.25 L" x W" x H"
Weight	65 lbs installed, 86 lbs shipping.
Environmental	Operating 41 to 104F (5 to 40 C) Non-operating -40 to 158 F (-40 to 70 C)
Humidity (Relative)	Operating 5 to 80% Non-condensing Non-operating 5 to 95% Non-condensing
Warranty	36 Year Warranty
Accessories	2 Optical SFP Transceivers, 2 three meter LC-LC Fibre Channel cables, 2 power cords, Installation CD & User's Manual.
Appearance	Glossy Titanium look

System Requirements:
2Gb or 4Gb Fibre Channel interface on host computer.
Apple Power Mac G5, Mac Pro.
Windows-based compatible PC.
Linux / Unix.

*Based on OS X stripe of both controllers in RAID 5 (8 1TB drives each) using four 4Gb FC channels with OS supported Multipathing I/O. AJA System Test. ATTO FC84EN. Performance might differ with smaller disk drives.

***Check web site for more Real-time performance data.

