



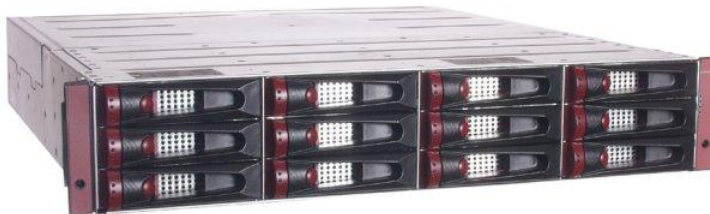
Storage Solutions

Adaptec SC4100 JBOD

Window Page 1
Mac OS X Page 4

Updated Tuesday, December 11, 2007

Manufacture	Adaptec
Product	SC4100 SCSI JBOD
Web site	www.adaptec.com
Interface	SCSI u320
Drive Types	SCSI u320
Firmware/Driver version	n/a
Bluefish444 Hardware	HD Fury, HD Lust, SD Greed SD Fidelity
Bluefish444 Software	Windows 5.4.14, Max OS X 7.7.4,
Other	Premiere Pro 2.0 Final Cut Pro 6.0.1
System	HP XW 9300 Mac Pro Quad 2.66GHz (2GB RAM)



Performance may differ with different environments and uses.
Storage configurations results found in this guide will be subject to change without notice.



System HP XW 9300

Storage Configuration 1

	Name	Slot Number
Controller	ATTO UL5D	PCI e Slot 4
Storage	Adaptec SC4100 JBOD	
Bluefish444 Hardware	HD Fury/ HD Lust/ 2K Lust	PCI X Slot 2
	SD Greed	PCI X Slot 2
RAID Configuration Unit	RAID 0	
RAID Configuration OS	RAID 0	

Benchmarks

The following performance values measured via the ATTO Disk Benchmark tool

Transfer Size	Length	Writes	Reads
N/A	N/A	N/A	N/A

HD Fury/ HD Lust/ 2K Lust				
Single Stream I/O results (Symmetry)				
Video Resolution	Pixel Format File format			
	10 bit RGB DPX/Cineon*	10 bit v210 QuickTime	8bit RGBA TARGA*	8 bit YUV AVI
NTSC	Y	Y	Y	Y
PAL	Y	Y	Y	Y
1920 x 1080 23.98	Y	Y	Y	Y
1920 x 1080 24	Y	Y	Y	Y
1920 x 1080 25	Y	Y	Y	Y
1920 x 1080 29.97	Y	Y	Y	Y
1920 x 1080 30	Y	Y	Y	Y
1280 x 720 59.94	Y	Y	Y	Y
1280 x 720 60.00	Y	Y	Y	Y
2048 x 1080 @ 24	Y	N/A	N/A	N/A
HSDL	Y	N/A	N/A	N/A



Storage Configuration 2

	Name	Slot Number
Controller	Adaptec PCI X 39320A-R	PCI X Slot 1
Storage	Adaptec SC4100 JBOD	
Bluefish444 Hardware	HD Fury/ HD Lust/ 2K Lust	PCI X Slot 2
	SD Greed	PCI X Slot 2
	SD Fidelity	PCI e Slot 4
RAID Configuration Unit	RAID 0	
RAID Configuration OS	RAID 0	

Benchmarks

The following performance values measured via the ATTO Disk Benchmark tool.

Transfer Size	Length	Writes	Reads
N/A	N/A	N/A	N/A

HD Fury, HD Lust, 2K Lust				
Single Stream I/O results (Symmetry)				
Video Resolution	Pixel Format File format			
	10 bit RGB DPX/Cineon*	10 bit v210 QuickTime	8bit RGBA TARGA*	8 bit YUV AVI
NTSC	Y	Y	Y	Y
PAL	Y	Y	Y	Y
1920 x 1080 23.98	Y	Y	Y	Y
1920 x 1080 24	Y	Y	Y	Y
1920 x 1080 25	Y	Y	Y	Y
1920 x 1080 29.97	Y	Y	Y	Y
1920 x 1080 30	Y	Y	Y	Y
1280 x 720 59.94	Y	Y	Y	Y
1280 x 720 60.00	Y	Y	Y	Y
2048 x 1080 @ 24	Y	N/A	N/A	N/A
HSDL	Y	N/A	N/A	N/A

SD Greed, SD Fidelity				
Single Stream I/O results (Symmetry)				
Video Resolution	Pixel Format File format			
	10 bit RGB DPX/Cineon*	10 bit v210 QuickTime	8bit RGBA TARGA*	8 bit YUV AVI
NTSC	Y	Y	Y	Y
PAL	Y	Y	Y	Y

Performance may be different with different computer systems and storage configurations Results found in this guide will be subject to change without notice.

* 10 bit RGB and 8 bit RGB sequential files where tested using the “Pre Create files“ option and logging clips via setting In and OUT points.

Pre create option calculates file space and pre writes to the hard drives reducing fragmentation. Crash recording sequential files will fragment the drives and can cause dramatic reducing in capture and playback performance.



System Mac Pro Quad 2.66 GHz

Storage Configuration 1

	Name	Slot Number
Controller	ATTO UL5D	PCI e Slot 2
Storage	Adaptec SC4100 JBOD	
Bluefish444 Hardware	SD Fidelity	PCI X Slot 3
RAID Configuration Unit	RAID 0	
RAID Configuration OS	RAID 0	

Benchmarks

The following performance values measured via the ATTO Disk Benchmark tool

Transfer Size	Length	Writes	Reads
N/A	N/A	N/A	N/A

SD Fidelity			
Single Stream I/O results Final Cut Pro 6.0.1			
Video Resolution	Pixel Format File format		
	10 bit v210 QuickTime	2 VUY QuickTime	8bit ARGB QuickTime
NTSC	Y	Y	Y
PAL	Y	Y	Y