



Systems

HP XW 8600

Monday, Feb 16, 2009 Rev A



Manufacture

Product

Web site

CPU

Memory

Graphics

Mother board revision

Operating Systems

Driver Versions Installed

[Bios version](#)

HP

XW 8600

www.hp.com

2 x Intel Xeon 5440 Quad core 2.83 GHz

4 GB

NVIDIA Quadro FX 1700

Rev OS

Windows XP SP2

2.31 Rev A

Tested Hardware

Bluefish444 Hardware

PCI 64 HD|Fury, HD|Lust,

PCI 32 SD|Greed, SL|Pro, SD Ingest

PCI e SD|Fidelity, SD|Focus, SD|Prime

Bluefish444 Software

Driver 5.7.1.7, 5.4.26

Symmetry v 3.5.5, v 3.7.5

Adobe Production Studio.

System Certified for

Symmetry

Uncompressed SD, HD,

Adobe Production Studio.



DMA benchmarks

The following DMA performance was provide by the Bluefish444 DMA benchmark tool.
DMA benchmarks measure a performance of transactions from the System memory to the target Bluefish444 card.
Pixel format tested, RGBA and RGB

Card	Bus Type	DMA performance, MB per/sec			
		R= Reads W= Writes			
		PCI e 16 Slot 2	PCI e 8/4 Slot 3	PCI e 16/4 Slot 4	PCI X 133 Slot 5
2K Lust	PCI 64 66	GPU	NA	NA	R 392 W 345
SD Greed,	PCI 32 33/66	GPU	NA	NA	R 198 W 201
SD Fidelity	PCI e 1	GPU	R 125 W 129	R 125 W 129	NA

R = Read in MB per sec
W = Write in MB per sec

Configuration

The following table outlines the configuration types and storage configurations tested with this motherboard.

Storage and host controller configurations and applications are not confined to this table,

	Card	Slot Type	Controller	Storage	Application
1	2K LUST/HD FURY	PCI e	ATTO UL5D	SCSI	2K, HD, SD
2	SD Greed	PCI e	ATTO UL5D	SCSI	SD
3	SD Fidelity	PCI e	ATTO UL5D	SCSI	SD



Configuration 1

Bluefish444 hardware 2K|Lust/ HD|Fury
 Controller ATTO UL5D
 Storage SCSI 14 x 72GB 10K SCSI drives
 RAID 0 Hardware

Video Resolution	Pixel format/File format				
	10 bit RGB DPX/Cineon*	10 bit v210 QuickTime	8bit RGBA TARGA*	8 bit YUV AVI	8 bit YUV MPEG2
NTSC	Y	Y	Y	Y	Y
PAL	Y	Y	Y	Y	Y
1920 x 1080 @ 23.98	Y	Y	Y	Y	Y
1920 x 1080 @ 24	Y	Y	Y	Y	Y
1920 x 1080 @ 25	Y	Y	Y	Y	Y
1920 x 1080 @ 29.97	Y	Y	Y	Y	Y
1920 x 1080 @ 30	Y	Y	Y	Y	Y
1280 x 720 @ 59.94	Y	Y	Y	Y	Y
1280 x 720 @ 60.00	Y	Y	Y	Y	Y
2048 x 1080 @ 24	Y	NA	NA	NA	NA
HSDL	Y	NA	NA	NA	NA

Configuration 2

Bluefish444 hardware SD|Greed
 Controller ATTO UL5D
 Storage SCSI 14 x 72GB 10K SCSI drives
 RAID 0 (Software)

Video Resolution	Pixel format/File format				
	10 bit RGB DPX/Cineon*	10 bit v210 QuickTime	8bit RGBA TARGA*	8 bit YUV AVI	8 bit YUV MPEG2
NTSC	Y	Y	Y	Y	Y
PAL	Y	Y	Y	Y	Y

Configuration 3

Bluefish444 hardware SD|Fidelity
 Controller ATTO UL5D
 Storage SCSI 14 x 72GB 10K SCSI drives
 RAID 0 (Software)

Video Resolution	Pixel format/File format				
	10 bit RGB DPX/Cineon*	10 bit v210 QuickTime	8bit RGBA TARGA*	8 bit YUV AVI	8 bit YUV MPEG2
NTSC	Y	Y	Y	Y	Y
PAL	Y	Y	Y	Y	Y



Notes

Capture Tests Procedures for Symmetry

For each video mode for each file format

5 X 5 minute captures
5 X 20 minute captures
1 X 45 minute capture

Performance disclaimer

Capture and playback performance will vary between applications due to the way in which applications utilize storage and the effects of fragmentation. Therefore, while we guarantee these performance figures for this configuration we do not guarantee that you will be able to replicate this performance with other applications or systems. These results should be used as a guide to system performance with the above applications at the time of testing