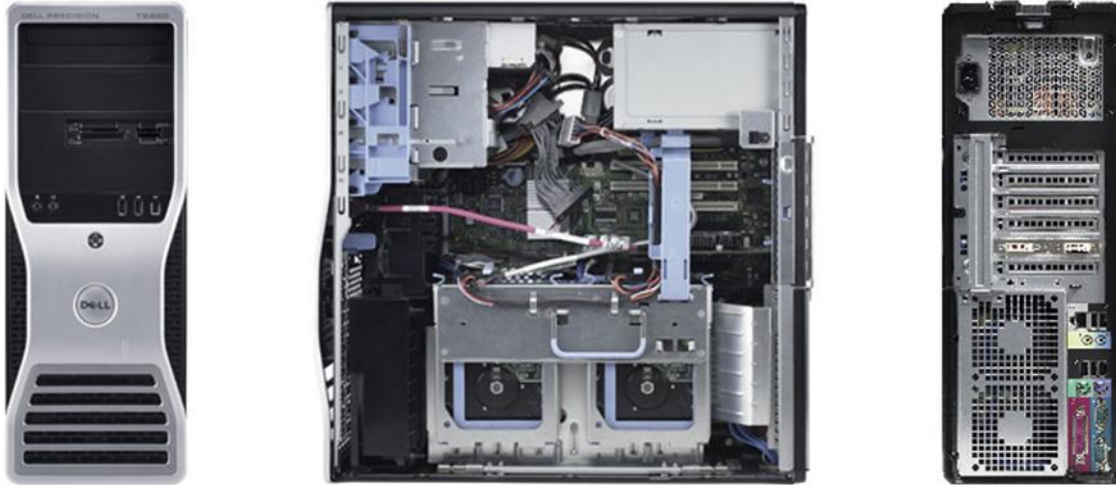




## Systems

### DELL Precision T5400

Monday, May 12, 2008 Rev B



#### Manufacture

**Product**

**Web site**

**CPU**

**Memory**

**Graphics**

**Mother board revision**

**Operating Systems**

**Bios version**

**Tested Hardware**

**Bluefish444 Hardware**

**Bluefish444 Software**

**System Certified for**

#### DELL

**T5400**

[www.dell.com](http://www.dell.com)

Intel Quad Core 5450 @ 3 GHz

4 GB

NVIDIA Quadro FX 1700

Windows XP SP2,

Windows Vista 32,

A02

PCI 64 HD|Fury, HD|Lust,

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

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

Driver 5.7.1.7, 5.4.26

Symmetry v 3.5.5, v 3.7.5

Adobe Production Studio.

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	Buss Type	DMA performance, MB per/sec					
		R= Reads W= Writes					
		PCI e 8/4 Slot 1	PCI e 2.0 16/16 Slot 2	PCI 32 Slot 3	PCI e 2.0 16/16 Slot 4	PCI X 133 Slot 5	PCI X 133 Slot 6
2K Lust	PCI 64 66	NA	GPU	NA	NA	R 347 W 401	Cant support full length
SD Greed	PCI 32 33/66	NA	GPU	R 92 W 102	NA	R 198 W 197	R 198 W 197
SD Fidelity	PCI e 1	Cant support full length	GPU	NA	R 125 W 129	NA	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 64	Adaptec RAID 5805	SAS	2K, HD, SD
2	2K LUST/HD FURY	PCI 64	ATTO UL5D	SCSI	2K, HD, SD
3	SD Greed	PCI 32	ATTO UL5D	SCSI	SD
4	SD Greed	PCI 32	Onboard SATA	SATA	SD
5	SD Greed	PCI 32	Adaptec RAID 5805	SATA/SAS	SD
6	SD Fidelity	PCI e	Onboard SATA	SATA	SD



### Configuration 1

Bluefish444 hardware	2K Lust/ HD Fury	Slot 5
Controller	ARECA (DULCE)	Slot 1
Storage	DULCE PRO RX	
Settings	RAID 5/RAID 0	

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	N
1920 x 1080 @ 24	Y	Y	Y	Y	N
1920 x 1080 @ 25	Y	Y	Y	Y	N
1920 x 1080 @ 29.97	Y	Y	Y	Y	N
1920 x 1080 @ 30	Y	Y	Y	Y	N
1280 x 720 @ 59.94	Y	Y	Y	Y	N
1280 x 720 @ 60.00	Y	Y	Y	Y	N
2048 x 1080 @ 24	Y	NA	NA	NA	NA
HSDL	Y	NA	NA	NA	NA

### Configuration 2

Bluefish444 hardware	2K Lust/ HD Fury	Slot 5
Controller	ATTO UL5D	Slot 1
Storage	SCSI JBOD 12 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
1920 x 1080 @ 23.98	Y	Y	Y	Y	N
1920 x 1080 @ 24	Y	Y	Y	Y	N
1920 x 1080 @ 25	Y	Y	Y	Y	N
1920 x 1080 @ 29.97	Y	Y	Y	Y	N
1920 x 1080 @ 30	Y	Y	Y	Y	N
1280 x 720 @ 59.94	Y	Y	Y	Y	N
1280 x 720 @ 60.00	Y	Y	Y	Y	N
2048 x 1080 @ 24	Y	NA	NA	NA	NA
HSDL	Y	NA	NA	NA	NA



### Configuration 3

Bluefish444 hardware	SD Greed (All PCI 32 bit Cards)	Slot 6/5
Controller	ATTO UL5D	Slot 4
Storage	SCSI JBOD 12 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 4

Bluefish444 hardware	SD Greed (All PCI 32 bit Cards)	Slot 6/5
Controller	Onboard SATA	
Storage	2 SATA 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 5

Bluefish444 hardware	SD Greed (All PCI 32 bit Cards)	Slot 6/5
Controller	Adaptec RAID 5805	Slot 4
Storage	2 X SATA 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 5

Bluefish444 hardware	SD Fidelity (All PCI 32 bit Cards)	Slot 4
Controller	Onboard SATA	
Storage	2 X SATA 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