

## Hardware Configuration Guide

### Motherboards

### Supermicro

X6DA8-G, X6DAE-G, X6DA8-G2 ,X6DAE-G2

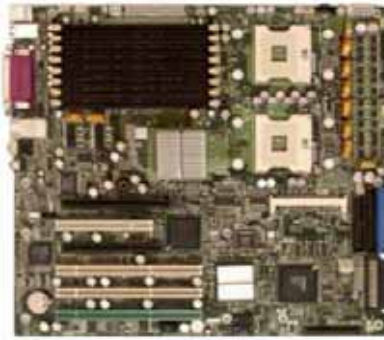
Friday, August 12, 2005



Real time playback performance is measured by Adobe Premier Pro only.  
Real time performance in Adobe Premiere Pro is dependant on the following factors;

- Controller card,
- File format,
- Storage type and configuration.

## SuperMicro X6DA8-G, X6DAE-G, X6DA8-G2 ,X6DAE-G2



### Base Configuration;

Product	Super Micro X6DA8-G, X6DAE-G, X6DA8-G2 ,X6DAE-G2
Chassis	Super Micro SC743S1-645
RAM	4GB DDR2400 3200
CPU	2 x 3.4 GHz Intel Xenon CPU with 64MRT support
Graphics 1	PCI-E Nvidia FX1300
System drive	WD SATA 120GB
OS	Windows XP Professional SP2
BIOS versions.	Motherboard Bios
External Storage	External JBOD dual channel u320 SCSI with 4 devices 8 X Seagate 10K 76 GB hard drives Software Stripped, RAID 0
Internal Storage	Internal JBOD dual channel u320 SCSI with 4 devices 8 X Seagate 10K 76 GB hard drives Software Stripped, RAID 0
Controller card	Adaptec 39320 A-R dual channel u320 PCI-X 133 controller card Bios version Driver version 3.00.036

### Drivers & BIOS Versions Installed

Item	Driver	Bios
Supermicro BIOS		1.2c
Windows XP	Service pack 2	
Intel chipset drivers	7.0.0.1025 6/6/2005	
Realtek AC'97 Audio driver - For Windows 98, 2K, XP	v3.72	
Intel Pro/1000 Network Adapter	10.0	
Nvidia Graphics Card Driver	Nvidia 77.13 Rev. A	
Adaptec Host raid Driver	3.0.36.0 Host raid	4.25.0

# Configuration Guide

## Single SCSI Controller

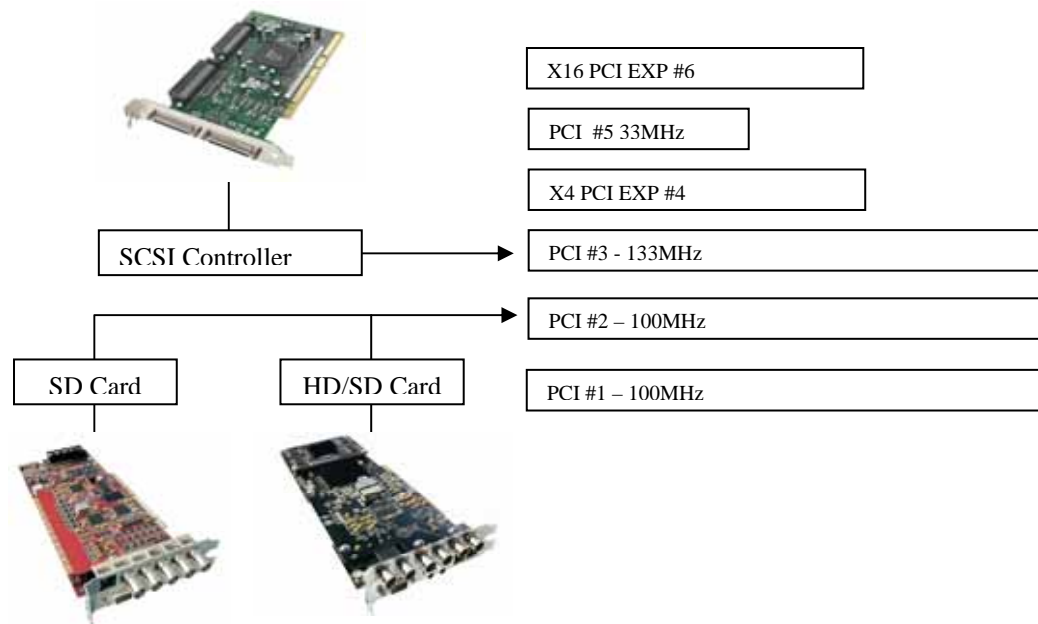


The following configuration supports single stream uncompressed HD and SD 10 bit YUV/RGB DPX, Cineon Linear/log based capture and playback. Excellent support for high end editing, Symmetry Digital Intermediate, Single Stream multi file format playback, RGB based compositing and effects with solutions such as Eyeon Digital Fusion, After Effects and Combustion.

Supports multiple stream of SD RT effects playback in Adobe Premiere Pro

Controller; Adaptec 39320A-R Dual channel u320  
 Storage; External JBOD dual channel u320 SCSI with 8 X Seagate 10K 76 GB hard drives, Software Stripped, RAID 0.

### Slot Configuration:



### Certified For:

#### Single Stream I/O

	4:4:4 10 bit RGB DPX, Cineon	4:2:2 10 bit YUV QuickTime v210	4:4:4:4 8 bit RGB Targa, TIFF	4:2:2 8 bit YUV AVI
<b>High Definition</b>	Y	Y	Y	Y
<b>High Definition RT</b>	N	Y**	N	N
<b>Standard Definition</b>	Y	Y	Y	Y
<b>Standard Definition RT</b>	Y	Y	Y	Y

#### Multi Stream Real Time Effects Playback\*

Resolution	Playback Setting	Streams
<b>Standard Definition</b>	High	4
	Med	6
	Low	7

\* Cross dissolve and opacity effects applied to QuickTime v210 video clips

## Dual SCSI Controller Card



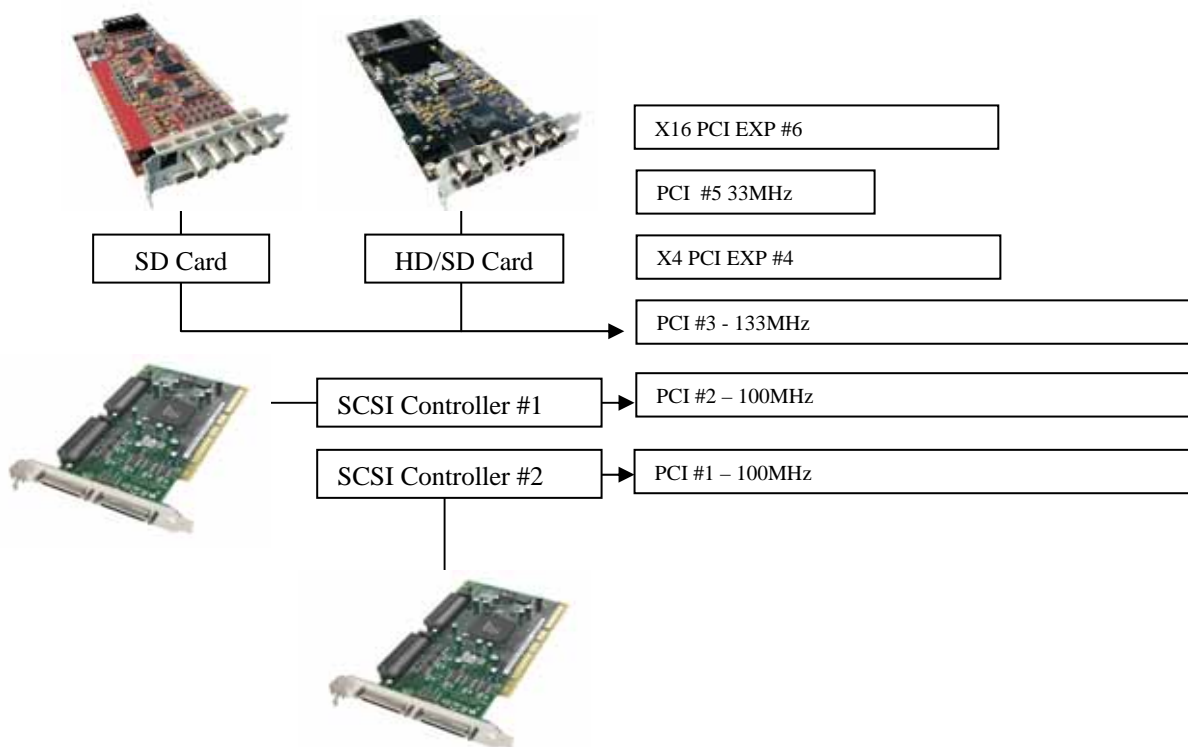
The following configuration uses two SCSI controller cards in two 100 MHz slots, providing four U320 channel SCSI connections. Provides increased read and writing performance over a single controller configuration and expands on storage capacities across two external storage solutions.

Supports multiple stream of SD RT effects playback in Adobe Premiere Pro

Recommended to have identical JBOD, backplane and SCSI drives  
Controller card BIOS and Driver version must be identical

Controller; 2 X Adaptec 39320A-R Dual channel u320  
Storage; 2 X External JBOD dual channel u320 SCSI with 8 X Seagate 10K 76 GB hard drives,  
Software Stripped, RAID 0.

### Slot Configuration:



### Certified For:

#### Single Stream I/O

	4:4:4 10 bit RGB DPX, Cineon	4:2:2 10 bit YUV QuickTime v210	4:4:4:4 8 bit RGB Targa, TIFF	4:2:2 8 bit YUV AVI
<b>High Definition</b>	Y	Y	Y	Y
<b>Standard Definition</b>	Y	Y	Y	Y

#### Multi Stream Real Time Effects Playback\*

Resolutions	Playback settings	Streams
<b>Standard Definition</b>	High	8+
<b>High Definition</b>	High	3+

\* Cross dissolve and opacity effects applied to QuickTime v210 video clips

# Internal SCSI Controller

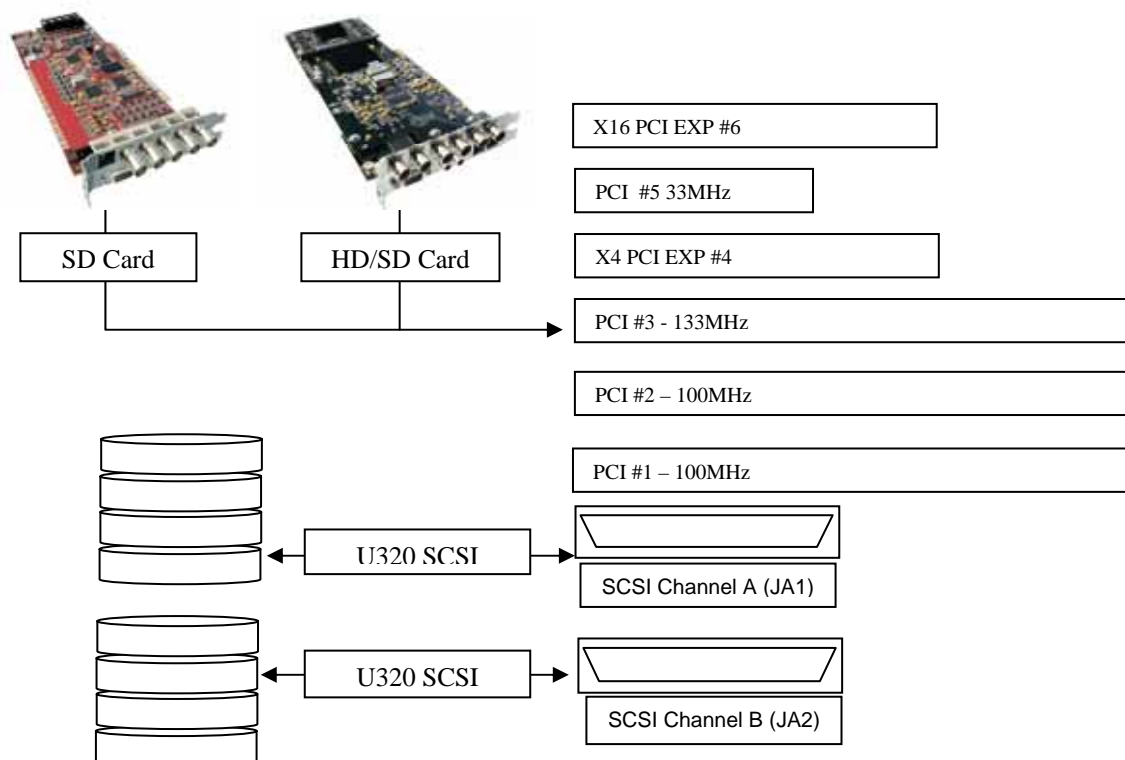
## Adaptec AIC-7902 Dual Channel ultra320 SCSI



The following configuration supports single stream uncompressed HD and SD 10 bit YUV/RGB DPX, Cineon Linear/log based capture and playback. Excellent support for high end editing, Symmetry Digital Intermediate, Single Stream multi file format playback, RGB based compositing and effects with solutions such as Eyeon Digital Fusion, After Effects and Combustion.

Controller; Adaptec AIC-7902 Dual  
 Storage; External JBOD with 8 X Seagate 10K 76 GB hard drives, Software Stripped, RAID 0.

### Slot Configuration:



### Certified For:

#### Single Stream I/O

	4:4:4 10 bit RGB DPX, Cineon	4:2:2 10 bit YUV QuickTime v210	4:4:4:4 8 bit RGB Targa, TIFF	4:2:2 8 bit YUV AVI
<b>High Definition</b>	Y	Y	Y	Y
<b>Standard Definition</b>	Y	Y	Y	Y

#### Multi Stream Real Time Effects Playback\*

Resolution	Playback Setting	Streams
<b>Standard Definition</b>	High	3
	Med	4
	Low	6