

# XW8200 Slot Guide for Symphony Nitris

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Slot	Description/Function	Card	Avid Part Number
1	32-bit PCI 33Mhz 5v / Not Used	Ultra 320 SCSI bus connector	N/A
2	PCI-Express x16 Video Board	Nvidia Quadro FX1400/3400/3450	N/A
3	32-bit PCI 33Mhz 5v / Not Used	Not Used	N/A
4	PCI-Express x8 / Not Used	Not Used	N/A
5	64 bit PCI-X 133 MHz / Nitris Base	ARCADIA	7030-03152-02
6	64 bit PCI-X 100Mhz 3.3v / Nitris CODEC	CLIO	7030-03153-04
7	64 bit PCI-X 100Mhz 3.3v / Storage connectivity		
Option A	AVID Unity-MediaNet connectivity 2Gbit	Atto 3300 2Gbit PCI HBA	0030-03238-01
Option B	AVID Unity-MediaNet connectivity 4 Gbit	Atto 41 XS 4Gbit PCI HBA	7030-03294-01
Option C	AVID Unity ISIS connectivity	Intel Pro 1000 MT Dual PCI NIC	7030-03296-01

- Slot 5 133 Mhz PCI-X slot must be de-rated to 100Mhz operation in BIOS config
- XW8200 Dual 3.4 Ghz or Dual 3.6 Ghz Processor models supported
- BIOS Version 2.08 is highly recommended for SN
- 3GBs RAM Required. 4GBs (and more) supported in DS dual Boot systems
- **Green** Indicates PCI Segment 1 shared with integrated Gbit Ethernet and integrated IEEE1394 Firewire
- **Red** Indicates standalone PCI Segment with no shared devices
- **Blue** indicates PCI Segment 5 shared with integrated LSI Ultra 320 SCSI Controller

## Confirming the Correct BIOS Configuration:

The following PCI-X settings are critical to ensure that the Avid Nitris DNA Base and Codec boards will operate correctly.

1. Restart the HP xw8200 workstation.
2. At the start-up screen, press **F2** to enter the BIOS setup.
3. Select **Advanced**.
4. Press the arrow down to PCI Slot 5 (**PCI-X 133**) and press Enter.
5. Verify that the Bus Mode is PCI-X and the Bus Speed is 100 MHz, otherwise make this imperative modification. Note that it will still display as PCI-X 133 when you exit the menu but it is normal and the setting keeps its 100 MHz value.
6. Press **Esc**.
7. Next select **Device Options** and **Onboard SCSI Latency Timer**.
8. Set to **160 PCI clocks**.
9. Press **Esc**.
10. Next, select **Chipset - Memory**.
11. Select **PXHA Secondary Latency Timer** and set to **224 PCI clocks**.
12. Select **PXHB Secondary Latency Timer** and set to **224 PCI clocks**.
13. Press **F10** to save and exit the BIOS setup.