

Avid Configuration Guidelines
HP xw8400 Dual Quad-Core Workstation
 For use in software only environments i.e., Media Composer, Xpress etc

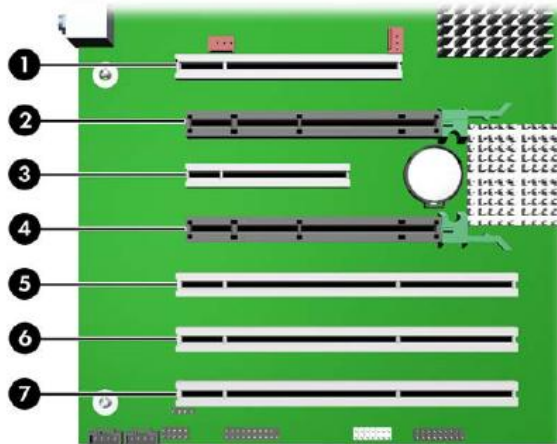
System Configuration / inventory

- 1) PS955AV HP Workstation XW8400 Base Unit
- 2) EM122AV#ABA Windows XP Pro 32-bit
- 3) R0295AV Intel Xeon 5345 2.33Ghz quad-core 1st CPU
- 4) R0299AV Intel Xeon 5345 2.33Ghz quad-core 1st CPU
- 5) EM060AV 250GB SATA 3Gb/s NCQ 7200RPM Drive 1st
- 6) Nvidia Quadro FX 1500 256MB PCI-E video board (Quadro FX 3500 also qualified, but more expensive)
- 7) EM129AV 16x DVD +/- RW LightScribe DVD
- 8) Memory DDR2 677 ECC FBD memory
 - 2GB DDR2 677 ECC FBD memory for Standard Config
 - 3GB for M/C HD or M/C SD high stream count
 - 4GB for use with Unity MediaNetwork 5.0 and DNxHD *(Requires four 1GB DIMMs)*
- 9) Optional memory kits -

AVID P/N	MEMORY SIZE	Mfr. P/N* XW8400
7860-20005-01	512MB	EM159AA
7860-20005-02	1GB RAM	EM160AA
7860-20005-03	2GB RAM	EM153AA

Avid Mojo DX / Nitris DX Configurations

XW8440 Slot numbering



- 1.) Empty (PCI 32-bit / 33Mhz)
- 2.) PCI-E Video Board 256MB (PCI-E x16) (x16 Electrical)
 - H.P. Nvidia Quadro FX 3500 or FX 1500
- 3.) (PCI-E x8) (x4 Electrical) Avid PCI Express interface board for DX hardware (HIB)
- 4.) (PCI-E x16) (x4 Electrical) Optional controller for shared storage connectivity: Unity- ISIS Gb Ethernet connectivity or Unity-MediaNet Fibre channel connectivity:

- a. Option A: AVID Unity – ISIS connectivity, Use Intel PRO/1000 PT Dual Port PCI-Express Gbit Ethernet Server Adapter
http://www.intel.com/network/connectivity/products/pro1000pt_dualport_server_adapter.htm
 - b. Option B: AVID Unity-MediaNet connectivity: Use Atto FC41-EL or Atto FC41-ES 4Gb single channel PCI-Express F/C adapter
 - c. Option C: ATTO ExpressSAS R380 PCI-Express Raid controller
- 5.) (PCI-X 133 MHz) Empty
- 6.) (PCI-X 100Mhz) Empty
- 7.) (PCI-X 100Mhz) Local SCSI Storage connectivity
– Use Atto UL4D PCI-X u320 dual-channel SCSI controller (Avid P/N 7030-03218-01, RoHS,)

Information below is for use in software only environments (Media Composer Software, Xpress Pro)

Required Add-in expansion boards:

- Slot# 1 - 1394 Firewire Card, FW323 Agere based with 4K buffer, for connectivity to Adrenaline / Mojo
Qualified Firewire cards are:
 - a.) H.P. p/n PA997A (Avid P/N 7030-20154-01) 1394a Firewire Card, PCI 32-bit/33MHz
http://h18000.www1.hp.com/products/quickspecs/11955_ca/11955_ca.html#Technical%20Specifications
 - b.) Sonnet Technologies Allegro FW400 1394a PCI 32-bit/33MHz
<http://www.sonnettech.com/product/allegro400.html>
- Slot# 7 - Local SCSI storage – Atto UL4D Dual-Channel u320 SCSI Controller (RoHS Avid p/n 7030-03218-01)

Supported Slot Configuration:

- **Slot 1 (PCI 32-bit 33MHz) (Firewire card required for Adrenaline / Mojo connectivity in XW8400 Quad-Core system)**
Required: (1394 Firewire Card, FW323 Agere based with 4K buffer)
- **Slot 2 (PCI-E x16) Video Board**
Required: NVIDIA Quadro FX 1500 or NVIDIA Quadro FX 3500
- **Slot 3 (PCI-E x8 mechanical - x4 electrical)**
 - Option 1: Atto Celerity FC-41ES Fibre adapter (Unity MediaNetwork Fibre connectivity)
 - Option 3: Atto Celerity FC-42ES Fibre adapter (local F/C storage only)
- **Slot 4 (PCI-E x16) (x4 Electrical)**
 - Optional: ATTO ExpressSAS R380 PCI-Express Raid controller (local storage only)
- **Slot 5 (PCI-X 133 MHz)**
 - Option 1: IEEE-1394 adapter for Avid Studio 002, FireWire storage, or DV deck
 - i. ADS Technologies PYRO PCI 64 (API-311) (Non RoHS)
 - ii. ADS Technologies PYRO PCI 64R2 (API-315) (RoHS)

iii. SIIG 1394 3-port PCI I/O (NN-300012-S6)

- Option 2: Tarari Encoder Accelerator for Windows Media
(preferred slot – will run fastest here)

- **Slot 6 (PCI-X 100MHz)**

- Option 1: Intel PRO/1000 MT PCI-X Dual-Port Gigabit Ethernet adapter (ISIS Client)
- Option 2: Alacritech SEN2001XT Gigabit Ethernet Accelerator (MediaNetwork EAC)
- Option 3: Tarari Encoder Accelerator for Windows Media
(alternate slot – when Slot-5 occupied with IEEE-1394 adapter)

- **Slot 7 (PCI-X 100MHz)**

Required: Local Storage Connectivity: Atto UL4D PCI-X u320 Dual-Channel SCSI controller

Avid Qualified add-in board options:

- **For AVID Unity MediaNet F/C connectivity:**

- Atto Celerity FC-41ES PCI-E 4Gb single channel Fibre adapter (Avid p/n 7030-02004-01, RoHS)
- Atto Celerity FC-41EL PCI-E 4Gb single channel Fibre adapter (Avid p/n 7030-20135-01, RoHS)

- **For local Fibre storage connectivity:**

- Atto Celerity FC-42ES PCI-E 4Gb dual channel F/C adapter (Avid p/n 7030-02006-01, RoHS)

- **For AVID Unity MediaNet Ethernet connectivity:**

- Alacritech SEN2001XT Gb Ethernet (Avid p/n 7030-20034-01, RoHS)

- **For AVID Studio / 0002 connectivity:**

- ADS Technologies PYRO PCI 64 (API-311) Avid p/n 7030-03117-02 (RoHS)
- ADS Technologies PYRO PCI 64R2 (API-315) Avid p/n 0030-03117-02 (Non RoHS)
- SIIG 1394 3-port PCI I/O (NN-300012-S6)

- **For Windows Media Encoding Acceleration:**

- Tarari Accelerator Card <http://www.tarari.com/products-digitalmedia.html>

- **AVID ISIS Connectivity:**

- Intel PRO/1000 MT PCI-X Dual Port Gbit Ethernet Server Adapter (Avid p/n 7030-03294-01, RoHS),
(Avid p/n 0030-03294-01, Non-RoHS)