

**Avid Configuration Guidelines  
HP xw8400 Dual Quad-Core Workstation  
For Adrenaline, Mojo, or Mojo SDI**

**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 1<sup>st</sup> CPU
- 4) R0299AV Intel Xeon 5345 2.33Ghz quad-core 1<sup>st</sup> CPU
- 5) EM060AV 250GB SATA 3Gb/s NCQ 7200RPM Drive 1<sup>st</sup>
- 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 -

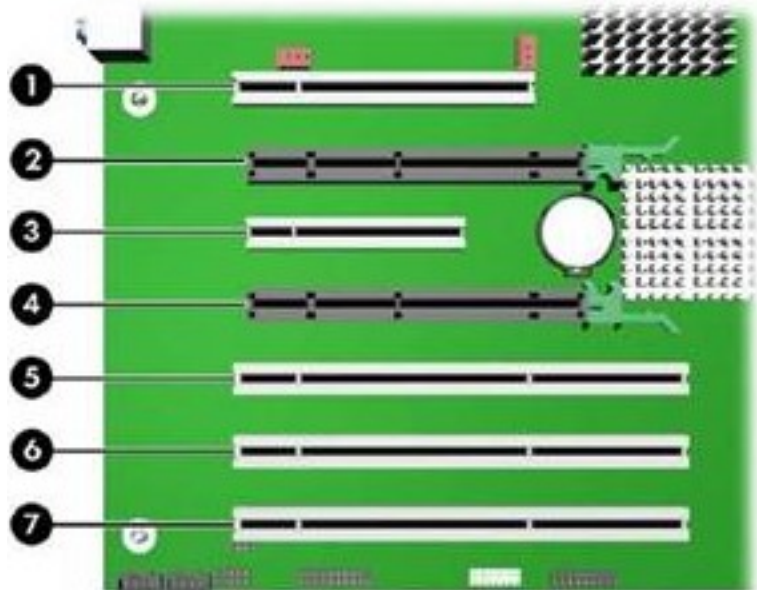
<b>AVID P/N</b>	<b>MEMORY SIZE</b>	<b>Mfr. P/N* XW8400</b>
7860-20005-01	512MB	EM159AA
7860-20005-02	1GB RAM	EM160AA
7860-20005-03	2GB RAM	EM153AA

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](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:

- 1 • **Slot 1 (PCI 32-bit 33MHz) (Firewire card required for Adrenaline / Mojo connectivity)**
  - 0 Required: 1394 Firewire Card, FW323 Agere based with 4K buffer
- 2 • **Slot 2 (PCI-E x16) Video Board**
  - 0 Required: NVIDIA Quadro FX 1500 or NVIDIA Quadro FX 3500
- 3 • **Slot 3 (PCI-E x8 mechanical - x4 electrical)**
  - Option 1: Atto Celerity FC-41ES Fibre adapter (Unity MediaNetwork Fibre connectivity)
  - 0 - Option 2: Atto Celerity FC-42ES Fibre adapter (local F/C storage only)
  - 1 - Option 3: Intel Pro 1000PT Copper network adapter
- **Slot 4 (PCI-E x16) (x4 Electrical)**
  - 2 - Optional: ATTO ExpressSAS R380 PCI-Express Raid controller (local storage only)
- **Slot 5 (PCI-X 133 MHz)**
  - 3 - Optional: 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)
- 4 • **Slot 6 (PCI-X 100MHz)**
  - 0 - Option 1: Intel PRO/1000 MT PCI-X Dual-Port Gigabit Ethernet adapter (ISIS Client)
  - 1 - Option 2: Alacritech SEN2001XT Gigabit Ethernet Accelerator (MediaNetwork EAC)
- 5 • **Slot 7 (PCI-X 100MHz)**
  - 0 Required: Local Storage Connectivity: Atto UL4D PCI-X u320 Dual-Channel SCSI controller
  - 1



HP xw8400 Slot Numbering

**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 / 002 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)

• **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)

Revision Update

Revision	Date	Name	Update
A	August 28 <sup>th</sup> 2007	Joe Conforti	Initial Release
B	Sept 06 <sup>th</sup> 2007	Joe Conforti	Added details for qualified 1394a controllers
C	Oct 19 <sup>th</sup> , 2007	Joe Conforti	Added further details regarding 1394 Firewire card requirement in Slot #1
D	March 28 2008	Mike Fortin	Added R380 Raid controller card