Avid Configuration Guidelines
Apple Mac Pro Ivy Bridge 6-Core, 8-core or 12-core CPU Workstation
1.) Apple MAC PRO - Avid Qualified System Specification:

**MAC PRO / AVID Qualified Operating System:**
Mac OS 10.9.1

**MAC PRO Hardware Configuration**

**Supported CPU**
Single Intel® 6-Core Xeon® E5 Processor @ 3.5GHz 12MB cache / 1866MHz memory
Single Intel® 8-Core Xeon® E5 Processor @ 3.0GHz 25MB cache / 1866MHz memory
Single Intel® 12-Core Xeon® E5 Processor @ 2.7GHz 30MB cache / 1866MHz memory

**Supported Video Card**
Dual AMD FirePro D500 or D700 graphics with 3GB or 6 GB GDDR5 VRAM

**System Storage** – 256 or 512 or 1 TB PCIe based flash storage

**Standard AVID memory configuration:**
16GB (4 x 4GB) DDR3 1866 ECC memory OR
32GB (4 x 8GB) DDR3 1866 ECC memory OR
64GB (4 x 16GB) DDR3 1866 ECC memory

**Memory configuration constraints**
- The 12 GB memory option is NOT supported as it only uses 3 DIMM slots that results in poor performance

2.) Qualified Operating Systems, Avid Client Editing Applications, Hardware and Shared-Storage support for the APPLE MAC PRO:

- Media Composer / Symphony 6.5.4.1 or 7.0.3 , NewsCutter 10.5.4.1 or 11.0.3 or later
- Supported: With Mac OS X 10.9.1 and above
- Note: Audio input workaround required for MC 6.5.4.1 and 7.03. Apple thunderbolt monitor with microphone input or Avid MBox will work. Avid Mojo DX or OpenIO device will NOT work. Issue fixed with MC 6.5.4.2 and 7.0.3.1

3.) Qualified Hardware and shared storage supported:

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<th>Qualified / Supported</th>
<th>Requires Avid Thunderbolt adapter</th>
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<tr>
<td>Mojo DX</td>
<td>Yes</td>
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<tr>
<td>Nitris DX</td>
<td>Not Supported (does not work with high bandwidth work flows – RGB 444, stereo, etc).</td>
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<tr>
<td>3rd Party Qualified Hardware</td>
<td>See release notes and Avid website for information regarding supported 3rd party hardware (vendor qualified)</td>
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There are no PCIe slots in this Mac Pro. PCIe adapters will require thunderbolt expansion chassis. Avid has qualified

- Magma ExpressBox 1T & 3T thunderbolt expansion
- Sonnet Echo Express SE II thunderbolt expansion

A.) **Qualified Graphics Driver:**

Apple qualifies and releases graphics drivers for all graphics options. Use the driver that ships with each MAC OS.

B.) **AMD FirePro GPU monitor connectivity:**

The AMD FirePro graphics supports 3 4K displays or 6 thunderbolt displays. There is also an HDMI output for connection to HDMI monitor. Media Composer has only been qualified with 2 displays.

C.) **O.S. setting recommendations for optimum performance with Avid Editing applications:**

- Some hardware devices will not recover from a computer SLEEP mode. The Avid MC/NC app will remind the user to disable sleep in the Energy Saver preferences menu. Also, uncheck the box to put hard disks to sleep.
- Disable Wi-Fi and blue tooth if not in use
- Disable FileVault protection on internal disk (file encryption)

D.) **Intel NIC Port(s) for ISIS 5000 / 7000 connectivity:**

To set the Network MTU for high speed (10 Gb) access:

Open system preferences
Select Network icon
Select “Advanced”
Click on the “Hardware” tab
Change “configure” to Manually
Change MTU to “Standard (1500) – DO NOT USE JUMBO (9000)
Click on “OK” to apply the setting

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<th>Unity ISIS 1Gb Ethernet Client</th>
<th>ISIS 5000 / 7000 V4.6.1</th>
<th>Onboard Gb Ethernet</th>
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<td>Atto R680</td>
<td>SAS storage option</td>
<td>Requires Thunderbolt Expansion chassis</td>
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<tr>
<td>LSI 9200-8e SAS controller</td>
<td>SAS storage option</td>
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**Revision Update**

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<tr>
<td>A</td>
<td>Feb 28(^{th}), 2014</td>
<td>Dave Pimm</td>
<td>Initial release of the MAC PRO configuration guide</td>
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