



Autodesk Smoke 2012

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Autodesk®

Graphics Hardware Certification

Apple® Macintosh® Platform

Last updated: September 25th 2011.

Readme First

- The information contained in the [Readme First](#) document applies to all hardware Certification executed on the Autodesk Smoke 2012 software product release for Macintosh and should be acknowledged by all users prior consulting the Certification charts.

What's New

New Apple® iMacBook 27 inches (ATI Radeon 6970M) system is now certified under Mac OSX 10.7.1

Autodesk Smoke on Mac Service Pack 3 is now certified on the hardware list you will find below.

Tested Mac OS® Versions

- Workstations and graphics cards have been tested on MAC OS X v.10.6.6 with unless annotated otherwise.
- To verify which version of the Mac OS X version is installed, select "About This Mac" in the Apple menu. The general OS Version number is just below the logo; e.g., Version 10.6.4. To find the build number for that Version, click the version text. The Version number changes to display the Build number; e.g., build 10F569.

Note: Occasionally, Apple releases slightly different versions that carry the same Version number (but different build number). These slightly different versions may behave differently. It may only be possible to identify the OS version by the build number.

Workstation and Mobile Workstations

- Autodesk Smoke 2012 is certified on any of the systems identified in the following Hardware System Certification section using the version of MAC OS X v10.6.6. Do not assume that newer versions of Mac OS X will be suitable for use with the Autodesk Smoke 2012 software version.
- You may need to refer to the [Apple Support site](#) to identify your system.

Hardware System Certification

- The following table lists the tested hardware system for the Autodesk Smoke 2012 software product release.

Table Legend

✓	Certified.
👉	Certified with caveats. Refer to the Hardware System Caveats & Limitations.
🕒	Certification planned or in progress. Results coming shortly.
👉	Supported although not officially Certified in our lab.
👉	Hardware component falls below minimum system requirements to run the Autodesk product.
✗	Certification failed due to serious problems.
○	No Certification planned or not applicable.
—	Not yet tested.

Intel®-based Apple® Macintosh® Hardware System Certification for Autodesk Smoke 2012		
Apple Macintosh Hardware System		
Model	Specification	Certification
Mac® Pro		
	Intel Xeon Core 2 Duo @ 2.66Ghz	👉
	Intel Xeon Core 2 Quad @ 2.26Ghz	✓
	Intel Xeon Core 2 Quad @ 3.0Ghz	✓
	Intel Xeon Core 2 Quad @ 3.2Ghz	✓
	Intel Xeon Core 2 Quad @ 2.8Ghz	👉
	Intel Xeon Core 2 Hexa @ 2.66GHz	👉
	Intel Xeon Core 2 Hexa @ 2.93GHz	👉
iMac®		
	Intel Core Duo @ 2Ghz	🕒
	Intel Core 2 Duo @ 2.16Ghz	🕒
	Intel Core 2 Duo @ 2.4Ghz	🕒
	Intel Core 2 Duo @ 2.8Ghz	🕒
MacBook® Pro		
	Intel Core 2 Duo @ 2.33Ghz	🕒
	Intel Core 2 Duo @ 2.5Ghz	🕒

Intel®-based Apple® Macintosh® Hardware System Certification for Autodesk Smoke 2012		
Apple Macintosh Hardware System		
Model	Specification	Certification
Intel Core 2 Duo @ 2.6Ghz		

System Dependent & Miscellaneous Issues

- The following table provides a description of caveats / limitations that are still being investigated. Autodesk has not identified the precise combination of factors involved. Please refer to the *Release Notes* for further details on known issues with the Smoke software product.

System Dependent & Miscellaneous Issues		
Autodesk Smoke 2012 for Macintosh		
OS	Caveat / Limitation	Workaround
	None	

Graphics Cards and Drivers

- All Certifications are performed using only the official Apple default drivers that are included with a particular version of an OS (e.g. 10.6.4). Drivers acquired by any other means; e.g., directly from a graphics vendor, are considered unsupported and therefore not certified.
- Autodesk received numerous reports of problems with drivers other than those released by Apple as part of the OS. As a result, Autodesk cannot guarantee the stability of Smoke using unsupported drivers.
- To verify which version of a video driver is installed on your Mac OS X system, in a Finder window, navigate to /System/Library/Extensions/(vendor extension file). With this file selected, Ctrl-click and choose Get Info to view the version information. For example, to determine the version of the video driver installed for the NVIDIA GeForce FX 8800 Ultra, select the /System/Library/Extensions/NVDANV50Hals.kext file and then Ctrl-click and choose Get Info.

Professional Graphics Cards

- The following table provides the professional graphics card hardware Certifications for the Autodesk Smoke 2012 for Macintosh® software product release.

Note: Professional graphics cards not listed in the following table are yet to be tested or will no longer be tested. The professional graphics cards that are no longer tested may still be acceptable for use with the Autodesk Smoke software. Please refer to earlier Autodesk Smoke software for OS X Certification charts to evaluate a particular card's previous use in Smoke. While you may continue to use one of these cards, please note that we may not be able to provide support for any issues you may encounter.

Table Legend

✓	Certified
👉	Certified with caveats. Refer to the Professional Graphics Cards Caveats & Limitations.
🕒	Certification planned OR in progress. Results coming shortly
👍	Supported although not officially Certified in our lab
👎	Hardware component falls below minimum system requirements to run this Autodesk
✗	Certification failed due to serious problems
○	No Certification planned OR not applicable
—	Not yet tested.

Professional Graphics Card Certifications for Autodesk Smoke 2012 for Macintosh		
Graphics Card	Mac OS® X	
	Product	V 10.6.6
NVIDIA®		
Quadro® 4000	✓*	👉
Quadro® FX 4800	✓	👉
Quadro® FX 5600	✓	👍
Quadro® FX 4500	○	○

* Requires driver 256.01 from Nvidia.com in order to work to its full potential.

Dual Monitor Support

Apple systems can be run in Dual Monitor configuration by using a single graphics card which supports dual output (e.g. NVIDIA Quadro FX 4800).

Professional Graphics Cards Caveats & Limitations

- The following table provides a description of professional NVIDIA graphics cards caveats and limitations.

Graphics Cards Caveats & Limitations				
Autodesk Smoke 2012 for Macintosh				
Graphics Card	OS	Caveat / Limitation	Status	Workaround
Quadro® 4000	10.7.1	Damage, Motion Blur, Stylize. Rec Ops, Deform, Color Warper and Blend and Comp tools may crash or have unexpected behaviours	Reported to vendor	
Quadro® 4000	10.7.1	Intermittent crashes when using extended bi-cubic inAction or Soft-Axis.	Reported to vendor	
Quadro® FX 4800	10.7.1	Intermittent crashes when using extended bi-cubic inAction or Soft-Axis.	Reported to vendor	

Consumer Graphics Cards

- The following table provides a list of tested NVIDIA GeForce® and ATI Radeon™ consumer graphics cards and driver versions for the Autodesk Smoke 2011 for Macintosh software product release.
- **Note:** Consumer graphics cards not listed in the following table are no longer tested. However, these cards may still be acceptable for use with the Smoke software.
- **Important:** Although Autodesk tested the NVIDIA GeForce and ATI Radeon consumer graphics cards, it is Autodesk, NVIDIA, and AMD policy to only recommend and support the professional NVIDIA Quadro, ATI FirePro, and ATI FireGL graphics family cards. See the NVIDIA Quadro vs. GeForce GPUs White Paper [\[PDF\]](#).

If you have any questions, please contact:








NVIDIA: NVIDIAAutodeskhelp@nvidia.com

AMD/ATI: <http://emailcustomercare.amd.com>

Table Legend

☑	Testing is completed.
👁	Testing is completed. Some issues found. Refer to the Consumer Graphics Cards Caveats & Limitations.
△	Testing is ongoing OR planned.
⊖	No testing is planned.
☒	Hardware component falls below minimum system requirements to run the Autodesk product.
✘	Certification failed due to serious problems.
—	Not yet tested.

Consumer Graphics Card Tested for Autodesk Smoke 2012 for Macintosh			
Graphics Card	Mac OS® X		
Product	Version 10.6.4 + GFX Update	Version 10.6.6	Version 10.7.1
NVIDIA®			
GeForce® GT330M	⊖	👁	👁
GeForce® GTX 285	⊖	☑	👁
GeForce® GT 130	⊖	⊖	⊖
GeForce® GT 120	⊖	✘	⊖

GeForce® 9400M	⊘	⊘	⊘
GeForce® 8800 GT	⊘	☑	⊘
GeForce® 8800M GT	⊘	⊘	⊘
GeForce® 8600M	⊘	⊘	⊘
GeForce® 7300 GT	⊘	⊘	⊘
GeForce® 9600 GT	⊘	⊘	⊘
GeForce® 7600 GT	⊘	⊘	⊘
ATI™			
Radeon HD 6970M	⊘	⊘	
Radeon HD 6750M	⊘	⊘	
Radeon HD 6490M	⊘	⊘	✘
Radeon HD 5870	⊘	△	☑
Radeon HD 5770	⊘		
Radeon HD 4870	⊘		
Radeon HD 4850	⊘		△
Radeon HD 3870	⊘	△	△
Radeon HD 2600 Pro	⊘	△	△

Consumer Graphics Cards Caveats & Limitations

- The following table provides a description of consumers NVIDIA graphics cards and AMD consumer graphics cards caveats and limitations.

Graphics Cards Caveats & Limitations				
Autodesk Smoke 2012 for Macintosh				
Graphics Card	OS	Caveat / Limitation	Status	Workaround
Radeon HD 6970M	10.7.1	-Intermittent crashes when using extended bi-cubic in Action or Soft-Axis.	Open	None
Radeon HD 6750M	10.7.1	-Intermittent crashes when using extended bi-cubic in Action or Soft-Axis.	Open	None
GeForce® GT330M.	10.6.6 - 10.7.1	-Usage of Denoise tool will generate a crash on this specific hardware -Shadow Cast node may corrupt random frames when processing high resolution images - Intermittent crashes when using extended bi-cubic in Action or Soft-Axis	Open	None
GeForce® GTX 285	10.7.1	-3D hard Shadows are displaying corruption -Intermittent crashes when using extended bi-cubic in Action or Soft-Axis.	Open	None
ATI Radeon HD 5770	10.7.1	Denoise renders random black frames	Open	None
ATI Radeon HD 4870	10.7.1	-3D hard Shadows are displaying corruption -Intermittent crashes when using extended bi-cubic in Action or Soft-Axis.	Open	None
ATI Radeon HD 4850	10.6.6	-Shadow Cast node may corrupt random frames when processing high resolution images -3D hard and Soft Shadows are rendering black frames	Open	
ATI Rareon HD	10.6.6	Realtime playback in 720p is dropping frames.	Open	None.

Graphics Cards Caveats & Limitations				
Autodesk Smoke 2012 for Macintosh				
Graphics Card	OS	Caveat / Limitation	Status	Workaround
series		Custom Paint mode not responsive, late in Tiled mode		

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- [Survey Link](#)
- Please note that we monitor this feedback on a monthly basis. Should you need a faster turnaround time on your question/feedback, please email us at me.3d.Certification@autodesk.com

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