Autodesk® 3ds Max® 2010 / 3ds Max® Design 2010

Workstations/Mobile/Macintosh stations Hardware Qualification

Microsoft® Windows® Platform

Last updated: June 19, 2009.

Readme First

The information contained in the [Readme First](#) document applies to all hardware qualification executed on the Autodesk 3ds Max 2010 and Autodesk 3ds Max Design 2010 software product release and should be acknowledged by all users prior consulting the qualification charts.

What's New

Fujitsu R670 now listed as a supported workstation. Updated results for DELL notebook M6400, M4400 on XP32.

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Important Notes & Disclaimers

- Please refer to the graphics hardware page to obtain further information on the graphics cards that have been qualified for Autodesk 3ds Max 2010 and Autodesk 3ds Max Design 2010

- Please refer to the hardware vendor site to get a list of all supported graphics cards for the workstations listed below

- All workstations and mobile stations hardware qualification done on Autodesk 3ds Max 2010 and Autodesk 3ds Max Design 2010 have been performed using the following configuration:

    o Single screen at resolution of 1920x1200 (60Hz)

    o A minimum of 4 GB of RAM (workstations) 2 GB of RAM (laptops)

    o Virtual memory (swap file size) : maximum size set to 4 GB

    o Microsoft Windows *Classic* Theme

    o Visual Effects Settings adjusted for 'best performance' (found in the performance options of system properties)

- If you are experiencing additional issues not listed in this document, please search our Knowledge Base or contact customer support (http://www.autodesk.com/3dsMax-support)

- It may be possible to successfully use 3ds Max or 3ds Max Design with a non-qualified or partially qualified configuration, but support and maintenance programs will be subject to the Autodesk Support service guidelines

- The graphics drivers specified in this document are the drivers that were used for the qualification process. While it may be possible to use 3ds Max or 3ds Max Design successfully on earlier or later drivers, Autodesk cannot guarantee their performance or behavior. The same apply for the systems configuration described above.

Processors support

Processors Qualifications	
Processors	Status
INTEL	
Intel® Xeon®	👍
Dual Quad-Core Intel® Xeon®	✓
Quad-Core Intel® Xeon®	👍
Dual-Core Intel® Xeon®	✓
Intel® Core™ Duo	👍
Intel® Pentium® Dual-Core	👍
Intel® Pentium® D	👍
Intel® Core™2 Quad	✓
Intel® Core™2 Extreme	✓
Intel® Core™2 Duo	✓
Intel® Core™2 Duo Mobile	✓
Intel® Centrino®	👍
AMD	
Dual-Core AMD Opteron™	✓
Athlon™ FX	👍
Athlon™ X2 for notebooks	👍
Athlon™ X2 Dual-Core	👍
Second-Generation AMD Opteron™	👍
AMD Opteron™	👍
Quad-Core AMD Opteron™	👍

Workstations /Desktops

The following table lists the workstations (desktops) that have been qualified for the 3ds Max 2010 and 3ds Max Design 2010 software product releases.

Table Legend

✓   Qualified in Autodesk Hardware Qualification Labs

📄   Qualification in progress. No issues found so far. Considered as 'Supported' until qualification is officially completed.

☝   Qualified with caveats. Refer to *This permutations was performed on XP SP3

Caveats & Limitations.

⌛   Qualification planned.

👍   Supported (although not officially qualified in our lab).

☺   Tested but not supported. No issues found during testing.

✖   Qualification failed due to serious problems.

⋄   Un-tested. Configuration not currently supported by hardware vendor OR no qualification planned.

Workstations/Desktops Qualifications for Windows				
	Windows XP Pro		Windows Vista Business SP1	
Model	32-bit OS (SP3)	64-bit OS (SP2)	32-bit OS	64-bit OS
Hewlett-Packard				
Z800	✓	👍	👍	✓
Z600	✓	👍	👍	✓
Z400	✓	👍	✓	✓
Xw9400 quad core	👍	👍	👍	👍
Xw9400 dual core	👍	👍	👍	👍
Xw8600	👍	👍	👍	👍
Xw6600	👍	👍	👍	👍

Xw4600	👍	👍	👍	👍
DELL				
Precision T7500	👍	👍	👍	👍
Precision T7400	👍	👍	👍	👍
Precision T3500	✓	👍	👍	✓
Precision T3400	👍	👍	👍	👍
Lenovo				
S20	✓	✓	✓	✓
S10	👍	👍	👍	👍
D20	✓	✓	👍	✓
D10	👍	👍	👍	👍
Fujitsu				
R670	👍	👍	👍	👍
R570	👍	👍	👍	👍
M470	👍	👍	👍	✓

Microsoft Windows qualification for Apple computers (on Boot Camp)

The following table lists the qualification performed for Windows operating system on the Macintosh platform.

Qualification on Apple Boot Camp					
Model & Card	Driver	Windows XP 32-bit SP3	Windows XP 64-bit SP2	Windows Vista Business SP1 32-bit	Windows Vista Business SP1 64-bit
Apple Imac Core2 Duo @ 2.8 GHZ, 2 GB RAM [ATI Radeon™ HD 2600 Pro/XT]	8.390	👍 (1)	•	(2)	•
Apple MacPro Dual Quad Xeon @ 2.8 GHZ, 4GB Ram [NVIDIA® GeForce®	167.63	👍 (3)	•	👍 (3)	👍 (3)

Qualification on Apple Boot Camp					
Model & Card	Driver	Windows XP 32-bit SP3	Windows XP 64-bit SP2	Windows Vista Business SP1 32-bit	Windows Vista Business SP1 64-bit
8800 GT]					

Mobile stations / Laptops

The following table lists the mobile stations (laptops) that have been qualified for the 3ds Max 2010 and 3ds Max Design 2010 software product releases.

Mobile Stations/laptops Qualifications for Windows						
			Windows XP SP2		Windows Vista Business SP1	
Model	Graphics	Driver	32-bit OS	64-bit OS	32-bit OS	64-bit OS
Hewlett-Packard						
8730w	NVIDIA QuadroFX 3700M	179.72	👍	👍	👍	👍
8730w	NVIDIA QuadroFX 2700M	179.72	👍	👍	👍	👍
8730w	ATI FireGL v5725	8.503.2.1	👍	👍	👍	👍
8530w	NVIDIA Quadro FX 770M	179.72	👍	👍	👍	👍
8530w	ATI FireGL v5700	8.503.2.1	👍	👍	👍	👍
DELL						
Precision M6400	NVIDIA QuadroFX 3700M	179.50	✓*	•	•	✓
Precision M4400	NVIDIA Quadro FX 770M	179.50	✓*	•	•	✓
Lenovo						
W700	NVIDIA QuadroFX 3700M	176.55	👍	👍	👍	👍
W500	ATI FireGL v5700	8.543	👍	👍	👍	👍
Fujitsu						
H270	NVIDIA Quadro FX 770M		👍	👍	👍	👍

*This permutations was performed on XP SP3

Caveats & Limitations

Please make sure to refer to the graphics qualification document in search for potential caveats that may apply to the graphics card in your mobile station or workstation.

The following table provides a description of work/mobile stations caveats and limitations.

Workstations/Laptops Caveats and Limitations					
Vendor & Model	Graphics	Driver	Operating System	Caveat	Status / Workaround
Apple IMac	ATI Radeon HD 2600 Pro/XT	8.390	Xp32	(1) Bug 326865 Artifacts may appear on objects while Soft Shadows is active and lights may cast no shadows.	N/A
Apple IMac	ATI Radeon HD 2600 Pro/XT	8.390	Vista 32-bit	(2) Bug 326565 Activating viewport *Hardware Shading* with Soft Shadows may result in a system blue screen	N/A
All	NVIDIA cards	N/A	XP Pro 32-bit, Vista Business 32-bit/64-bit	(3) Bug 325259 DirectX fails when detaching/reattaching displays (monitors) in Dualview mode	N/A

Operating System Dependent & Miscellaneous Issues

No issues have been reported to this date

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