

AUTODESK® MAYA® 2009

WORKSTATIONS/MOBILE 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 Maya 2009 software product release and should be acknowledged by all users prior consulting the qualification charts.

What's New

Fujitsu R670 now added in our list of supported hardware. Updated results for HP Z400, Z600, Dell T3500, T7500, Lenovo S20, D20 and Dell notebooks.

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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 Maya 2009
- Please refer to the hardware vendor site to get a list of all supported graphics cards for the workstations listed below
- All hardware qualification done on Maya 2009 have been performed using the following configuration:
 - Single screen at resolution of 1920x1200 (60Hz)
 - A minimum of 4 GB of RAM (workstations) 2 GB of RAM (laptops)
 - SATA drives (except for HP Z serie)
 - Virtual memory (swap file size) : maximum size set to 4 GB
 - Microsoft Windows *Classic* Theme
 - Visual Effects Settings adjusted for 'best performance' (found in the performance options of system properties)
- All qualifications done on *Microsoft Vista Business* operating system have been done with the '*desktop composition*' feature disabled (often referred as the AERO feature)
- If you are experiencing additional issues not listed in this document, please search our Knowledge Base or contact customer support (<http://www.autodesk.com/maya-support>)
- It may be possible to successfully use Maya 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 Maya successfully on earlier or later drivers, Autodesk cannot guarantee their performance or behavior. The same apply for the systems configuration described above.

Processors support

Table Legend

- ✓ Qualified and supported
- 👍 Supported (although not officially qualified in our lab).

| Processors Qualifications for Autodesk Maya 2009 for Windows | |
|--|--------|
| 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 Maya 2009 software product release.

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 Caveats & Limitations.
- 🕒 Qualification planned. Results coming shortly.
- 👉 Supported, although not yet officially qualified in our lab. Qualification may or may not be planned on this configuration.
- 👎 Tested but not supported
- ✗ Qualification failed due to serious problems.
- Un-tested. Configuration not currently supported by hardware vendor OR no qualification planned.

| Workstations/Desktops Qualifications for Autodesk Maya 2009 for Windows | | | | |
|---|----------------|-----------|----------------------------|-----------|
| Model | Windows XP SP2 | | Windows Vista Business SP1 | |
| | 32-bit OS | 64-bit OS | 32-bit OS | 64-bit OS |
| Hewlett-Packard | | | | |
| Z800 | ✓* | 👍 | 👍 | ✓ |
| Z600 | ✓* | 👍 | 👍 | ✓ |
| Z400 | ✓ | ✓ | ✓ | ✓ |
| Xw9400 quad core | ✓ | 👍 | 👍 | ✓ |
| Xw8600 | 👍 | ✓ | ✓ | 👍 |
| Xw6600 | 👍 | ✓ | ✓ | 👍 |
| Xw4600 | 👍 | ✓ | 👍 | 👍 |
| DELL | | | | |
| Precision T7500 | ✓* | 👍 | 👍 | ✓ |
| Precision T7400 | 👍 | ✓ | 👍 | 👍 |
| Precision T3500 | ✓* | 👍 | 👍 | ✓ |
| Precision T3400 | 👍 | ✓ | ✓ | 👍 |

| Workstations/Desktops Qualifications for Autodesk Maya 2009 for Windows | | | | |
|---|----------------|-----------|----------------------------|-----------|
| Model | Windows XP SP2 | | Windows Vista Business SP1 | |
| | 32-bit OS | 64-bit OS | 32-bit OS | 64-bit OS |
| Lenovo | | | | |
| S20 | ✓ | ✓ | ✓ | ✓ |
| S10 | 👍 | 👍 | 👍 | ✓ |
| D20 | ✓ | 👍 | 👍 | ✓ |
| D10 | 👍 | ✓ | ✓ | 👍 |
| Fujitsu | | | | |
| R670 | 👍 | 👍 | 👍 | 👍 |
| R550 | ✓ | 👍 | 👍 | 👍 |
| R540 | ✓ | 👍 | 👍 | 👍 |
| M460 | ✓ | 👍 | 👍 | ✓ |

*This permutations was performed on XP SP3

Mobile stations / Laptops

The following table lists the mobile stations (laptops) that have been qualified for the Maya 2009 software product release.

| Mobile Stations/laptops Qualifications for Autodesk Maya 2009 for Windows | | | | | | |
|---|-----------------------|--------|----------------|-----------|----------------------------|-----------|
| Model | Graphics | Driver | Windows XP SP2 | | Windows Vista Business SP1 | |
| | | | 32-bit OS | 64-bit OS | 32-bit OS | 64-bit OS |
| Hewlett-Packard | | | | | | |
| 8730w | NVIDIA QuadroFX 3700M | 176.56 | 👍 | 👍 | 👍 | 👍 |
| | NVIDIA QuadroFX 3700M | 176.87 | 👍 | 👍 | ✓ | 👍 |
| 8730w | NVIDIA QuadroFX 2700M | 176.56 | 👍 | 👍 | 👍 | 👍 |
| | NVIDIA QuadroFX | 176.87 | 👍 | 👍 | 👍 | ✓ |

Mobile Stations/laptops Qualifications for Autodesk Maya 2009 for Windows

| | | | Windows XP SP2 | | Windows Vista Business SP1 | |
|-----------------|-----------------------|-----------|----------------|-----------|----------------------------|-----------|
| Model | Graphics | Driver | 32-bit OS | 64-bit OS | 32-bit OS | 64-bit OS |
| | 2700M | | | | | |
| 8730W | ATI FireGL v5725 | 8.503.2.1 | 👍 | 👍 | 👍 | ✓ |
| 8710W | NVIDIA QuadroFX 1600M | 174.70 | ✓ | ✓ | ✓ | ✓ |
| 8530W | NVIDIA Quadro FX 770M | 179.72 | 👍 | ✓ | 👍 | 👍 |
| | | 176.87 | ✗ | ✗ | 👍 | ✓ |
| | | 176.56 | 👍 | 👍 | 👍 | 👍 |
| 8530W | ATI FireGL v5700 | 8.503.2.1 | 👍 | 👍 | 👍 | 👍 |
| 8510W | ATI FireGL v5600 | 8.391.7.2 | ✓ | ✓ | ✓ | ✓ |
| DELL | | | | | | |
| Precision M6400 | NVIDIA QuadroFX 3700M | 179.50 | ✓ | 👍 | 👍 | ✓ |
| Precision M4400 | NVIDIA Quadro FX 770M | 176.88 | ✗ | ✗ | 👍 | 👍 |
| Precision M6300 | NVIDIA QuadroFX 3600M | 175.75 | ✓ | 👍 | 👍 | 👍 |
| Lenovo | | | | | | |
| W700 | NVIDIA QuadroFX 3700M | 176.93 | ✓ | 👍 | 👍 | ✓ |
| W500 | ATI FireGL v5700 | 8.543 | ✓ | 👍 | 👍 | ✓ |
| Fujitsu | | | | | | |
| H270 | NVIDIA Quadro FX 770M | 176.78 | ✗ | ✗ | • | • |
| | | 175.97 | ✓ | 👍 | 👍 | ✓ |
| H250 | NVIDIA QuadroFX 570M | | 👍 | 👍 | 👍 | 👍 |

Caveats & Limitations

Please make sure to refer to the [graphics qualification document](#) in search for potential caveats that may apply to graphics card models similar to the one you have 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 |
| All | NVIDIA QuadroFX 770M | 176.87 (HP) 176.88 (DELL) 176.8x (Others) | Microsoft Windows XP SP2 32 and 64 bits | Bug 322394 - The screen will flash after a few minutes of using Maya, making it unusable. This only happens when the 'overlay' setting is ON (which is the default setting in the Maya graphics presets) | Workaround is to disable the overlay, although this may result in loss of functionality in the application. Issue reported to NVIDIA. The fix should be available later in March |
| HP 8730w | NVIDIA QuadroFX 3700M | 176.56, 176.06 176.87 | Not specific | Bug 311916 Zoom extend function may lag and be slow to respond at times | Minor Issue. No workaround. Issue reported to NVIDIA (Ref: 475276) |
| HP 8530w | NVIDIA QuadroFX 2700M | | | | |
| HP 8730w | ATI FireGL V5725 | 8.503.2.1 | Not specific | Bug #304985 Paint Effects brushes that use geometry may cause artifacts to appear in the viewport | No workaround. Issue reported to vendor |
| HP 8530w | ATI FireGL v5700 | | | | |
| ALL | ALL | Not specific | Microsoft Vista | Bug #302379 Audio and animation playback may be out | |

| Workstations/Laptops Caveats and Limitations | | | | | |
|--|--|--|------------------|--|---|
| Vendor & Model | Graphics | Driver | Operating System | Caveat | Status / Workaround |
| | | | | of sync at times | |
| All | NVIDIA QuadroFX 3700M NVIDIA QuadroFX 2700M | 176.56 (HP) 176.55 (Lenovo) 176.53 (Dell) | Not specific | Warning for Autodesk Mudbox users: application cannot be used with this driver | Drivers 176.87 (HP) 176.93 (Lenovo) 176.88 (Dell) resolve this issue. Please download from vendor's site. |

Operating System Dependent & Miscellaneous Issues

The following limitations/caveats 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 Maya.

| Limitation / Caveat | | |
|---------------------|----|--------------------------|
| Bug Number | OS | Description / Workaround |
| | | |
| | | |

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