

Autodesk 2012 products

ASTI Recommended System Configurations

- Disclaimer** This document represents suggested configurations that should offer acceptable performance given typical models and designs. Your results may vary depending on a number of variables. Always consult the specific system requirements document for each of your individual products. These can normally be accessed on each products home page.
[Alphabetic Listing of Products](#)
- Processor** Intel Xeon, Pentium Extreme, Dual Core, Core™ 2 Duo, Quad Core, Core i5, or Core i7 at 2.6 GHz or higher utilizing Intel **EM64T** standards (most Intel CPUs manufactured since 2007 support this). The higher speed and higher series CPU the better. Equivalent **AMD64**: Athlon64, Opteron, Turion64, or Phenom Processor (Faster is better). Support for **SSE2** Technology is required (most CPUs manufactured since 2005 support this). **Larger L2 Cache is better** (4GB or larger highly recommended). Higher number series processors are generally superior. [tomshardware desktop cpu charts](#)
- Operating System** Microsoft® Windows 7 64-bit, including Enterprise, Ultimate, Professional, or Home Premium edition is recommended. Vista 64 (SP2 or later) Enterprise, Ultimate, Business, or Home Premium is acceptable and preferred for a few products (refer to Autodesk product specific system requirements pages).
[Alphabetic Listing of Products](#)
- Memory** 4 GB RAM minimum. 8GB preferred. Faster RAM is better (the fastest RAM supported by your motherboard is recommended – ex 1333 MHz vs. 1066). Some of the products will run acceptably with 4GB of RAM. On smaller models most products can operate with 4GB of RAM. The more CPU-intensive products and large or complex models will benefit enormously from more RAM. 6GB or more is required in **Inventor** for manipulating assemblies composed of more than 1000 parts. We strongly suggest buying your ram in capacities that will allow you to mount at least 8GB of RAM on your motherboard (most have 4 or 6 ram slots – so 2GB chips should be the smallest you would consider – consult your motherboards documentation). This approach will allow you to work with 4gGB (2 x 2GB) or 6GB (3 x 2GB) initially yet easily upgrade to 8GB (4 x 2GB) or 12GB if required later.

- Hard Drive** 25 GB free disk space minimum. You should always maintain at least 10% to 15% free space for optimal performance. Faster drives (higher RPM) will perform better. SAS, SATA, or SCSI drives will outperform IDE drives. 7200 RPMs or higher speed drives are highly recommended.
- Video** Display adapters capable of 1280 x 1024 (1600 x 1200 preferred) @ 24bit color with 512mb (or more) of **dedicated**, high performance, graphics memory are recommended for most products (some will work with 256mb). Pixel Shader 3 (or greater), Direct3D®-capable, workstation-class, 3D graphics card. NVidia Quadro FX or AMD/ATI FirePro graphics cards are both ours and Autodesk recommendation. 1GB is preferred over 512mb in most situations. **Inventor** requires 768mb cards for all but the most basic models. 1 GB (or more) of graphics memory is recommended for **Showcase** for all but simple models. Check Autodesk's certified and supported video adapter list:
<http://usa.autodesk.com/adsk/servlet/cert?siteID=123112&id=16391880>
- Monitor** 1280 x 1024 minimum with 1600 x 1200 or higher preferred. 32-bit color (wide screen and multiple monitors a plus). 19" would be a minimum desktop recommendation. 22" to 24" is preferred.
- Other**
- Internet connection
 - Microsoft® Internet Explorer® 7.0 or later
 - DVD-ROM (for software installation)
 - Microsoft compliant mouse (2 button with scroll wheel)
 - We recommend a 3D navigation device like the 3DConnexion SpacePilot PRO when significant time will be spent working in 3D views. This device is now supported in many Autodesk products.
<http://www.3dconnexion.com/supported-software/software0.html>
- Mac Support** Macintosh computer (Mac Pro or MacBook Pro) with Intel-based 64-bit Quad-Core, Core i7 or Core i5 processor.
4GB RAM minimum. (8GB highly recommended esp. with Maya, or, when running Autodesk software for Windows using either **Boot Camp** or within the Mac OS via **Parallels Desktop** or **VMware Fusion**).
An upgrade from the standard 5400rpm hard drive to the faster 7200rpm hard drive is highly recommended on the MacBook Pro.
- Autodesk offers increasing support on the MAC platform.
Please review this document
<http://usa.autodesk.com/products/mac-compatible-products>