

Installation Prerequisites for Ansys 11

ANSYS 11.0 is supported on the following Windows platforms and operating system levels. For up-to-date information on hardware platforms or operating systems that have been certified, go to <http://www.ansys.com/services/ss-hardware-support.asp>. (This URL is case-sensitive.)

Table 1 Supported Operating Systems by Product

Operating System	ANSYS	Workbench	CFX	ICEM CFD	AUTODYN
Windows XP x64 (AMD64)	X	X	X	X	--
Windows XP x64 (EM64T)	X	X	X	X	--
Windows 32-bit (2000, XP)	X	X	X	X	X*

*Windows XP Pro only; no Windows 2000 support

Table 2 Operating System Requirements

Platform/OS	ANSYS/Workbench Compilers*	CFX Compilers*	AUTODYN Compilers*
Intel EM64T, AMD64 / Windows XP x64 Edition Version 2003	Intel Fortran v8.1 Microsoft Platform SDK for Windows Server 2003 SP1	Intel Fortran v9.0 Microsoft Platform SDK for Windows Server 2003 SP1	N/A
Intel IA-32 bit / Windows XP (Build 2600) Version 5.1 Intel IA-32 bit / Windows 2000 Version 5.0 (Build 2195)	Intel Fortran v8.1 MS VC++ .NET 2003	Intel Fortran v9.0 MS Visual C++ 6.0 or .NET 2003 or MS Visual Studio 2005 Express Edition	Intel Fortran v9.0 MS Visual C++.NET 2003

* Compilers are required only if you will be using User Programmable Features or other customization options.

The following CAD and auxiliary programs are supported on the indicated products and platforms. Products are:

A = ANSYS

W = ANSYS Workbench

I = ANSYS ICEM CFD

Table 3 Product Support

Product	Windows 64-bit	Windows 32-bit
CATIA 4.x	I*	A, W, I
CATIA V5 R2-16		A, W
CADNexus/CAPRI CAE Gateway for CATIA V5**	W	W
Parasolid 18.0	A, W, I	A, W, I
Pro/ENGINEER Wildfire 2 and 3	A, W, I	A, W, I
SAT ACIS 16	A, W, I	A, W, I
Unigraphics NX 3.0		A, W, I
Unigraphics NX 4.0	A, W, I	A, W, I
SolidWorks 2006 SP5	W, I	W, I
SolidWorks 2007	W	W, I
Solid Edge v18		W, I
Solid Edge v19	W, I	W, I
Autodesk Mechanical Desktop 2006		W
Autodesk Mechanical Desktop 2007	W	W
Autodesk Inventor R10		W
Autodesk Inventor R11	W	W
IGES 4.0, 5.2, 5.3		W, I
STEP AP203, AP214		W, I
OneSpace Designer Modeling 2005, Rev.13.20		W
OneSpace Designer Modeling 2006, Rev.14.0	W	W
DWG		I
GEMS		I
IDI MS8/9		I
LS-DYNA	A	A

*Supported on ICEM as a 32-bit application.

**For Windows x64, requires CATIA V5 (R16, R17). For 32-bit Windows, requires CATIA V5 (R14–R17).

Additional Hardware and Software Requirements

- Pentium-class or EM64T / AMD64 system with the correct operating system version installed
- A minimum of 512 MB of RAM (1GB of RAM for 64-bit systems)

On some 32-bit systems, you can use the /3GB switch to allocate additional RAM to the application and less to the Windows kernel. See [Setting the /3GB Switch](#) for more information.

- 2.2 GB free on the hard drive; up to 2.5 GB with CATIA V5. SCSI hard drive recommended for improved performance. **However, a minimum of 100 MB of disk space must be available on the operating system drive (typically C:\) for all installations, regardless of where you install the product.**
- DVD drive
- Graphics card compatible with the supported operating systems, capable of supporting 1024x768 High Color (16-bit) and a 17-inch monitor compatible with this type of graphics card; ANSYS CFX products and ANSYS TurboGrid require at least 24-bit color and that antialiasing be turned off on your graphics card.

Note

How you determine whether antialiasing is enabled varies according to the graphics card you have. To determine the status of an NVIDIA card on Windows, right-click on your desktop and select **NVIDIA Display > monitor type**. In the dialog box that appears, disable **Application-controlled** and slide the **Antialiasing settings** slider to **Off**. Click **OK** to save the changes.

- For laptop systems, ANSYS Workbench requires the latest graphics drivers.
- Microsoft Mouse or a mouse compatible with the supported operating systems; ANSYS CFX-Pre and ANSYS CFX-Post require a three-button mouse.
- If you use a spaceball, ensure that you have the latest version of the drivers installed.
- Approximately twice as much swap space as memory. The amount of memory swap space on the system may limit the size of the ANSYS model that can be created and/or solved.
- TCP/IP for the license manager (see the *ANSYS, Inc. Licensing Guide* for more information on TCP/IP).

Although TCP/IP is included as part of the operating system, it is often not installed by default. When TCP/IP is installed, it must be bound to a network adapter. On machines that are connected to an internal network, TCP/IP must be bound to a network card such as an Ethernet adapter. The vast majority of systems using TCP/IP will fall into this category. On machines that connect to the internet or corporate intranet through a modem, TCP/IP can be bound to the Remote Access Service. Also, the Autodial option of the Internet Options

must be disabled so that the machine does not attempt to connect to the Internet every time ANSYS is run. See the *ANSYS, Inc. Licensing Guide* for more information.

- Microsoft Internet Explorer (IE) 6.0 or higher is recommended for proper operation of ANSYS Workbench. For setup purposes, you can use IE 5.50.4134.0600 or higher. If you do not have the correct version of IE in your system at installation time, the ANSYS Workbench Products Setup will end the setup process. You can find the most current version of Internet Explorer at www.microsoft.com. Once the correct version of IE is installed, it does not have to be your default Internet browser. After installation, simply run your preferred browser and reestablish it as the default.