

## Hardware Notes - Pro/ENGINEER Wildfire 4.0

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Platform Support			
Partner	Platform	Operating System levels	CPU
<a href="#">Hewlett-Packard</a>	HP-UX (64-bit only)	11iV1 <sup>a</sup>	PA8000 or later
Microsoft ▪ <a href="#">Dell</a> ▪ <a href="#">Fujitsu-Siemens</a> ▪ <a href="#">Hewlett-Packard</a> ▪ <a href="#">IBM</a> ▪ <a href="#">Lenovo</a> ▪ <a href="#">Sun</a> ▪ <a href="#">Fujitsu</a>	Windows Vista Business x64 Edition Windows Vista Ultimate x64 Edition Windows Vista Enterprise x64 Edition	Base OS, Service Pack 1	Intel Pentium/Xeon/Core Duo/Core 2 Duo family
	Windows Vista Business Edition Windows Vista Ultimate Edition Windows Vista Enterprise Edition	Base OS, Service Pack 1	Intel Pentium/Xeon/Core Duo/Core 2 Duo family
	Windows XP Professional x64 Edition	Base OS, Service Pack 2	Intel Pentium/Xeon/Core Duo/Core 2 Duo family AMD Opteron family
	Windows XP Professional Edition; Windows XP Home Edition	Base OS, Service Pack 1,2 and 3	Intel Pentium/Xeon/Core Duo/Core 2 Duo family AMD Opteron family
<a href="#">Sun</a>	Solaris (64-bit only)	8 and 10	UltraSPARC II or later
	Solaris (64-bit only)	10	Intel and AMD Opteron family
<b>NOTES</b>			
<sup>a</sup> The command "uname -a" returns "HP-UX 11.11"			

System Requirements					
		Windows XP, Vista		UNIX	
		Minimum	Recommended	Minimum	Recommended
Main Memory		256 MB	1024 MB or higher	256 MB	1024 MB or higher
Available Disk Space	Pro/ENGINEER	2.0 GB	2.5 GB or higher <sup>a</sup>	2.5 GB	3.0 GB or higher
	Pro/ENGINEER with Pro/ENGINEER Mechanical Wildfire 4.0	2.0 GB	3.0 GB or higher <sup>a</sup>	3.0 GB or higher	3.5 GB or higher
Swap Space		500 MB	2048 MB or higher	500 MB	2048 MB or higher
CPU speed		500 MHz	2.4 GHz or higher	See above table for individual vendor processor support	
Internal Browser Support		Microsoft Internet Explorer 7.0 Microsoft Internet Explorer 6.0 (SP1 or later)		Browser (Mozilla 1.7.8) is embedded in Pro/Engineer on UNIX platform	

Monitor	1024 x 768 (or higher) resolution support with 24-bit or greater color	1024 x 768 (or higher) resolution support with 24-bit or greater color
Network	Microsoft TCP/IP Ethernet Network Adapter	TCP/IP Ethernet Network Adapter
Mouse	Microsoft-approved 3-button mouse	3-button mouse
File systems	NTFS	All vendor-supported file systems.
Misc.	CD-ROM or DVD drive	CD ROM or DVD drive
<b>NOTES</b>		
<sup>a</sup> For Windows XP only. For 32-bit operating systems, the Windows limit is 2.0GB. For Windows XP you must enable the /3GB switch in order to utilize RAM greater than 2.0GB.		

Language Support			
Supported Language	Date Certified	Release Datecode	Comments
English	13-Jun-2007	C000	
Chinese Simplified	13-Jun-2007	C000	
Chinese Traditional		F000	Will be available with the production shipment of Pro/ENGINEER Wildfire 4.0 in early 2008.
French		F000	Will be available with the production shipment of Pro/ENGINEER Wildfire 4.0 in early 2008.
German	13-Jun-2007	C000	
Italian		F000	Will be available with the production shipment of Pro/ENGINEER Wildfire 4.0 in early 2008.
Korean		F000	Will be available with the production shipment of Pro/ENGINEER Wildfire 4.0 in early 2008.
Japanese	13-Jun-2007	C000	
Spanish		F000	Will be available with the production shipment of Pro/ENGINEER Wildfire 4.0 in early 2008.
<b>NOTES</b>			
For more detailed information on localization for this product, please <a href="#">click here</a> .			

## Graphics Information

For 3D-hardware acceleration, an OpenGL graphics card must be used that has been tested in a PTC-certified configuration. To ensure the compatibility of a graphics driver with Pro/ENGINEER Wildfire 4.0, a PTC-certified hardware configuration is recommended.

## Dual Monitor Support

Limited dual monitor support is provided in Pro/ENGINEER Wildfire 4.0 on the Windows platform. PTC has successfully performed limited testing of some graphics card models from 3DLabs, ATI and NVIDIA that support dual monitor capabilities. If your graphics card is certified for Pro/ENGINEER Wildfire 4.0 and provides dual monitor support\*\*, PTC expects that it will run in this mode without issue. PTC will provide limited support to resolve issues arising when running in dual monitor mode, however, the entire solution will not be submitted for formal certification as a complete configuration.

Note: in the event that dual monitor mode fails, we advise use of Span mode as a workaround.

\*\*Please consult with AMD, NVIDIA, or the hardware platform partner to confirm the availability of this functionality with a given graphics card that has been certified with Pro/ENGINEER Wildfire 4.0.

## Certified and Supported Graphics Cards

PTC provides Customer Support for all certified and/or supported graphics cards. Certified cards will be added to this table as our platform partners complete certifications in preparation for production shipment of Wildfire 4.0.

Please note that the table below represents graphics cards that are part of a fully-certified or supported configuration (e.g., machine, model, operating system, graphics card and driver). PTC does not certify or support graphic cards independently from the configurations in which they are certified or supported. Please consult the linked partner pages for specific configurations.

Supported Graphics Cards	
Graphics Card Partner	Workstation Hardware Partner
AMD (ATI)	<a href="#">Dell</a>
	<a href="#">Fujitsu-Siemens</a>
	<a href="#">HP</a>
	<a href="#">Lenovo</a>
NVIDIA	<a href="#">Dell</a>
	<a href="#">Fujitsu</a>
	<a href="#">Fujitsu-Siemens</a>
	<a href="#">HP</a>
	<a href="#">IBM</a>
	<a href="#">Lenovo</a>
	<a href="#">Sun</a>
HP	<a href="#">HP</a>
Sun	<a href="#">Sun</a>

## Supported Peripherals and Accessories

**3D Controllers (Pro/ENGINEER only) Please refer to <http://www.3dconnexion.com/software/> for specific driver information.**

	Windows (XP, XP x64, Vista)	Sun Solaris	HP-UX
SpaceTraveler	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
SpaceBall 5000	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
SpaceNavigator 3DX	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
SpaceExplorer 3DX	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
SpacePilot 3DX	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>

## Plotters and Printers

Pro/ENGINEER supports HPGL, HPGL/2, PostScript, Calcomp, Gerber and Versatec standard plotting formats. In addition, Pro/ENGINEER supports the Microsoft Print Manager.

If you do not see your printer/plotter on the list below, please refer to the [Introduction and Support Policy](#).

### Emulation

Various manufacturers produce printers and plotters that may be compatible with or emulate a device that is supported by PTC. Please be

aware that such devices are not tested by PTC and therefore, may not produce correct plotted output. If you are using a device which emulates a printer or plotter listed in the tables below, PTC Technical Support will attempt to provide support by using a similar certified device. Any support pertaining to compatibility with a supported plotter or the correctness of an emulation can only be made by the manufacturers of the device in question, and not by PTC.

The Microsoft Printer Manager creates an emulation of what appears on the screen and attempts to print this. Since this emulation is between the Print Manager driver and the printer/plotter driver, quality and results may vary. You may choose to try a certified PTC printer/plotter driver, which has been optimized for high quality printing.

Plotters			
	Windows XP	Sun Solaris	HP-UX
HP Designjet 1055CM+	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
HP Designjet 800PS	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
HP Designjet 5500PS	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
HP Designjet copier cc800PS	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
HP Designjet 4000	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>

Printers			
HP deskjet 1220cps	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
HP color inkjet cp1700ps	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>
HP business inkjet 2600dn	<a href="#">Certified</a>	<a href="#">Certified</a>	<a href="#">Certified</a>

### Supported MCAD Systems

You can integrate several MCAD systems with Pro/ENGINEER Mechanica Wildfire 4.0. The following table lists the supported MCAD systems and platforms.

Platforms	CATIA Release 4.2.4 (English only)	Unigraphics Release NX 3.0 (English only)
HP (64 bit)	x	x
Intel-based PC (Windows XP)		x
Sun (64 bit)		x
<b>NOTES</b>		

### Supported Finite Element Solvers

You can integrate several Finite Element Solvers with Pro/ENGINEER Mechanica Wildfire 4.0 for use in FEM mode. The following table lists the supported Finite Element Solvers and platforms.

Platforms	NASTRAN 2005 rb3	ANSYS 11.0
HP (64 bit)	x	x
Intel-based PC (Windows XP 32-bit)	x	x
Intel-based PC (Windows XP 64 bit)		x
Sun (64 bit)	x	x

Sun AMD (64 bit)		x
<b>NOTES</b>		

**Supported Data Transfer Standards**

Pro/ENGINEER Mechanical Wildfire 4.0 supports the following standards for transferring data to and from MCAD programs:

Platform	DXF 13.0	IGES 5.2	VDA 2.0
HP ( 64 bit)	x	x	x
Intel-based PC (Windows XP)	x	x	
Sun ( 64 bit)	x	x	x