

Hardware Notes - Pro/ENGINEER Wildfire 3.0

Last updated: May 5, 2006

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Platform Support			
Partner	Platform	Operating System levels	CPU
Hewlett-Packard	HP-UX	11iV1 ^a (64-bit only) 11 (64-bit only) ^b Quality Pack Bundle March 2002 or later PHSS_30048 ld(1) and linker tools cumulative patch	PA8000 or later
	Linux	Red Hat Linux Enterprise 3.2 WS Edition	Intel Pentium/Xeon
Microsoft ▪ Dell ▪ Fujitsu-Siemens ▪ Hewlett-Packard ▪ IBM ▪ TriStar ▪ Sun	Windows XP x64	Base OS	Intel Pentium/Xeon family AMD Opteron family
	Windows XP Professional Edition; Windows XP Home Edition	Base OS, Service Pack 1 and 2	Intel Pentium/Xeon family AMD Opteron family
	Windows 2000 ^c	Base OS, Service Pack 4	Intel Pentium/Xeon family
Sun	Solaris	8, 9 and 10 (64-bit only)	UltraSPARC II or later
	Solaris	10	AMD Opteron family
	Linux	Red Hat Enterprise Linux Workstation 3.2	AMD Opteron family
NOTES			
^a The command "uname -a" returns "HP-UX 11.11" ^b PTC's HP-UX 11.0 support will end in 2006 following HP's plans: http://www.hp.com/software/releases/releases-media2/discon/0303.htm . ^c PTC suggests the use of Microsoft Windows XP (32-bit), as it has shown to utilize better memory allocation over Microsoft Windows 2000. Additionally, Microsoft Windows XP (32-bit) also offers users the ability to increase the per-process Memory Limit for Pro/ENGINEER. For more information, please reference http://www.ptc.com/cs/tpi/111330.htm .			

System Requirements					
		Windows (XP and 2000)		UNIX and Linux	
		Minimum	Recommended	Minimum	Recommended
Main Memory		256 MB	1024 MB or higher	256 MB	1024 MB or higher
Available Disk Space	Pro/ENGINEER and Conferencing	2.0 GB	2.5 GB or higher ^a	2.5 GB	3.0 GB or higher
	Pro/ENGINEER and Conferencing with Pro/ENGINEER Mechanica (Structural and Thermal Simulation) Wildfire 3.0	2.5 GB ^a	3.0 GB or higher ^a	3.0 GB or higher	3.5 GB or higher

System Requirements				
	Windows (XP and 2000)		UNIX and Linux	
	Minimum	Recommended	Minimum	Recommended
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 6.0 SP1 or later		Browser (Mozilla 1.7.3) is embedded in Pro/Engineer on UNIX platform	
External Browser Support	Mozilla 1.7.3 IE 6.0 SP1 and later		Mozilla 1.7.3	
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	
NOTES				
^a For Windows XP only. For 32-bit operating systems (including Windows 2000), 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	19-Apr-2005	B000	
Chinese Simplified	08-Mar-2006	F000	<ul style="list-style-type: none"> Not yet available on Linux platform. Not yet available on Windows XP x64 platform. Not supported by Pro/ENGINEER Mechanica (Structural and Thermal Simulation) Wildfire 3.0.
Chinese Traditional	08-Mar-2006	F000	<ul style="list-style-type: none"> Not yet available on Linux platform. Not yet available on Windows XP x64 platform. Not supported by Pro/ENGINEER Mechanica (Structural and Thermal Simulation) Wildfire 3.0.
French	19-Apr-2005	B000	
German	19-Apr-2005	B000	
Italian	08-Mar-2006	F000	<ul style="list-style-type: none"> Not supported by Pro/ENGINEER Mechanica (Structural and Thermal Simulation) Wildfire 3.0.
Korean	08-Mar-2006	F000	<ul style="list-style-type: none"> Not yet available on Linux platform. Not supported by Pro/ENGINEER Mechanica (Structural and Thermal Simulation) Wildfire 3.0.
Japanese	19-Apr-2005	B000	<ul style="list-style-type: none"> Not yet available on Linux platform.
Spanish	08-Mar-2006	F000	<ul style="list-style-type: none"> Not supported by Pro/ENGINEER Mechanica (Structural and Thermal Simulation) Wildfire 3.0.
NOTES			
For more detailed information on localization for this product, please click here .			

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 3.0, a PTC-certified hardware configuration is recommended.

Dual Monitor Support

Limited dual monitor support is provided in Pro/ENGINEER Wildfire 3.0 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 3.0 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.

PTC has tested and officially supports the following graphics cards. This list is not meant to be a comprehensive listing of cards with dual monitor capabilities and it does not represent a shift from PTC's policy of certifying complete systems.

[PTC's Support Policy](#).

Supported and tested graphics cards:

ATI FireGL XL1

Additional cards will be tested and added to this list prior to production release of Pro/ENGINEER Wildfire 3.0 later this year.

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

** Please consult with 3DLabs, ATI, 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 3.0.

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 3.0.

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.

Supported Graphics Cards				
Partner	Certified Graphics Cards	Certification Details	Supported Graphics Cards	Support Details
3DLabs			Realizm 800	IBM
			Realizm 200	HP
			Realizm 100	HP
ATI			FireGL V5100	HP
			FireGL V3100	Dell , HP
			Fire GL X3	HP
			Fire GL X1	HP
			Fire GL4	HP
			Fire GL T2-128	HP
			Mobility FireGL V3100	Dell
			Mobility FireGL T2e	IBM
			Mobility FireGL T2	HP
Hewlett-Packard			FireGL-UX	HP
			VISUALIZE – fx10	HP
NVIDIA	Quadro FX 3450	Sun	Quadro FX 4500	Dell , IBM
			Quadro FX Go1400	Dell

		Quadro FX Go1000	Dell
		Quadro FX Go700	Dell
		Quadro FX 4400	Dell, TriStar
		Quadro FX 3400	Dell, HP, Fujitsu-Siemens, IBM
Quadro FX 3000	Sun	Quadro FX 3000	Dell, HP, Sun
Quadro FX 1400	Sun	Quadro FX 1400	Dell, Fujitsu-Siemens, HP, Sun, TriStar, IBM
		Quadro FX 1300	Dell, Fujitsu-Siemens, HP
Quadro FX 1100	Sun	Quadro FX 1100	HP, IBM, Sun, Fujitsu-Siemens
		Quadro FX 1000	Dell, IBM
		Quadro FX 700	Dell
		Quadro FX 540	HP, TriStar
		Quadro FX 330	HP
		Quadro FX 3450	HP, Sun
Sun		Elite3D	Sun

Supported Peripherals and Accessories

	Windows (XP, 2000)	Sun Solaris	HP-UX	Red Hat LINUX
3D Controllers (Pro/ENGINEER only) Please refer to http://www.3dconnexion.com/software/ for specific driver information.				
SpaceTraveler	Certified	Certified	Certified	Certified
SpaceBall 5000	Certified	Certified	Certified	Certified

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, 2000)	Sun Solaris	HP-UX	Red Hat LINUX
HP Designjet 4500ps	Supported	Supported	Supported	Not Supported or Certified
HP Designjet 1055CM+	Certified	Certified	Certified	Not Supported or Certified
HP Designjet 800PS	Certified	Certified	Certified	Not Supported or Certified
HP Designjet 5500PS	Certified	Certified	Certified	Not Supported or Certified
HP Designjet copier cc800PS	Certified	Certified	Certified	Not Supported or Certified

HP Designjet 4000	Certified	Certified	Certified	Not Supported or Certified
Printers				
	Windows (XP, 2000)	Sun Solaris	HP-UX	Red Hat LINUX
HP deskjet 1220cps	Certified	Certified	Certified	Not Supported or Certified
HP color inkjet cp1700ps	Certified	Certified	Certified	Not Supported or Certified
HP business inkjet 2600dn	Certified	Certified	Certified	Not Supported or Certified

Supported MCAD Systems

You can integrate several MCAD systems with Pro/ENGINEER Mechanical (Structural and Thermal Simulation) Wildfire 3.0. The following table lists the supported MCAD systems and platforms.

Platforms	CATIA Release 4.2.0 (English only)	Unigraphics Release NX 2.0 (English only)
HP (64 bit)	x	x See Note a
Intel-based PC (Windows NT, XP, 2000)		x See Note a
Sun (64 bit)		x See Note a
NOTES		

Supported Finite Element Solvers

You can integrate several Finite Element Solvers with Pro/ENGINEER Mechanical (Structural and Thermal Simulation) Wildfire 3.0 for use in FEM mode. The following table lists the supported Finite Element Solvers and platforms.

Platforms	NASTRAN 2005	ANSYS 8.0	Abaqus 6.4-4
HP (64 bit)	x	x	x
Intel-based PC (Windows NT, XP, 2000)	x	x	x
Sun (64 bit)	x	x	x
NOTES			

Supported Data Transfer Standards

Pro/ENGINEER Mechanical (Structural and Thermal Simulation) Wildfire 3.0 supports the following standards for transferring data to and from MCAD programs:

Platform	DXF 13.0	IGES 5.2	VDA 2.0
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Platform	DXF 13.0	IGES 5.2	VDA 2.0
HP (64 bit)	x	x	x
Intel-based PC (Windows NT, 2000, XP)	x	x	
Sun (64 bit)	x	x	x