

Hardware Notes - Pro/ENGINEER Wildfire 2.0

Last updated: August 29, 2005

- [Platform Support](#)
- [System Requirements](#)
- [Language Support](#)
- [Graphics Information](#)
- [Certified and Supported Graphics Cards](#)
- [Supported Peripherals and Accessories](#)
- [Supported MCAD Systems](#)
- [Supported Finite Element Solvers](#)
- [Supported Data Transfer Standards](#)

Platform Support					
Partner	Platform	Operating System levels	CPU	C Compiler (see note a below)	Fortran Compiler (see note a below)
Hewlett-Packard	HP-UX	11iV1 (64-bit only)	PA8000 or later	ANSI C++ (for Custom Loads) HP C 11.00.00	HP FORTRAN VB10.20.10
		11 (64-bit only) Quality Pack Bundle March 2002			
	Linux ^b	Red Hat 7.3	Intel Pentium/Xeon	N/A	N/A
Microsoft <ul style="list-style-type: none"> ▪ Dell ▪ Fujitsu-Siemens ▪ Hewlett-Packard ▪ IBM ▪ Sun 	Windows XP Professional x64 Edition	Base OS	Intel Pentium/Xeon family with EM64T AMD Opteron family	N/A	N/A
	Windows XP Professional Edition; Windows XP Home Edition	Base OS, Service Pack 1 and 2	Intel Pentium/Xeon family AMD Opteron family	MS Visual C++ V6.0	Compaq (DEC) Visual Fortran 6.0
	Windows 2000	Base OS, Service Pack 1, 2, 3 and 4	Intel Pentium/Xeon family		
SGI	IRIX64	6.5.18	Mips R8000 or later	C V7.3.1.3+	FORTRAN V7.2+
Sun	Solaris	8 and 9 (64-bit only)	UltraSPARC II or later	C 6.1	FORTRAN 5.0
	Linux ^b	Red Hat Enterprise Linux Workstation 3.2	AMD Opteron family	N/A	N/A
NOTES					
^a C Compiler is required only for Mechanica Motion Wildfire 2.0. Fortran compiler is only required if you are running Fortran custom loads with the Structural and Thermal Option Wildfire 2.0 ^b Structural and Thermal Option Wildfire 2.0 is not available on the Linux platform. Only Pro/ENGINEER is supported on Linux for the Wildfire 2.0 release.					

System Requirements					
		Windows (XP (32-bit only) and 2000)		UNIX and Linux	
		Minimum	Recommended	Minimum	Recommended
Main Memory		256 MB	512 MB or higher	256 MB	512 MB or higher
Available Disk Space	Pro/ENGINEER and Conferencing	900 MB	900 MB or higher	1.2 GB	1.2 GB or higher
	Pro/ENGINEER and Conferencing with Structural and Thermal Option Wildfire 2.0	1.2 GB	1.2 GB or higher	1.6 GB or higher	1.6 GB or higher
Swap Space		500 MB	1024 MB or higher	500 MB	1024 MB or higher
CPU speed		500 MHz	1 GHz or higher	See above table for individual vendor processor support	
Internal Browser Support		Microsoft Internet Explorer 6.0 SP1 or later		Browser (Mozilla 1.4.1) is embedded in Pro/Engineer on UNIX platform	

System Requirements				
	Windows (XP (32-bit only) and 2000)		UNIX and Linux	
	Minimum	Recommended	Minimum	Recommended
External Browser Support	Mozilla 1.4.1 IE 6.0 SP1 and later		Mozilla 1.4.1	
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	

Language Support				
Supported Language	Date Certified	Release Datecode	Comments	
English	7-Nov-2003	2003400 and higher		
Chinese Simplified	19-Apr-2004	F000 and higher	Not yet available on Linux platform. Not yet available on Windows Professional x64 Edition. Not supported by Structural and Thermal Option Wildfire 2.0.	
Chinese Traditional	19-Apr-2004	F000 and higher	Not yet available on Linux platform. Not yet available on Windows Professional x64 Edition. Not supported by Structural and Thermal Option Wildfire 2.0.	
French	19-Apr-2004	F000 and higher	Not yet available on Linux platform.	
German	19-Apr-2004	F000 and higher		
Italian	19-Apr-2004	F000 and higher	Not yet available on Linux platform. Not supported by Structural and Thermal Option Wildfire 2.0.	
Korean	19-Apr-2004	F000 and higher	Not yet available on Linux platform. Not yet available on Windows Professional x64 Edition. Not supported by Structural and Thermal Option Wildfire 2.0.	
Japanese	19-Apr-2004	F000 and higher	Not yet available on Linux platform.	
Spanish	19-Apr-2004	F000 and higher	Not yet available on Linux platform. Not supported by Structural and Thermal Option Wildfire 2.0.	
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 and Structural and Thermal Option Wildfire 2.0, a PTC-certified hardware configuration is recommended.

Dual Monitor Support

Limited dual monitor support is provided in Pro/ENGINEER Wildfire 2.0 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 2.0 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
 3DLabs Wildcat VP 990 Pro
 NVIDIA Quadro4 900XGL, 980XGL and FX 2000

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 2.0.

Certified and Supported Graphics Cards

PTC provides Customer Support for all certified and/or supported graphics cards.

Supported Graphics Cards				
Partner	Certified Graphics Cards	Certification Details	Supported Graphics Cards	Support Details
3DLabs	Realizm 100	HP	Wildcat 4 7110	IBM
	Realizm 200	HP	Wildcat VP560	HP
			Wildcat VP760	HP
			Wildcat VP870	HP
			Wildcat VP880	HP
			Wildcat VP970	HP
			Wildcat VP990	HP
ATI	FireGL V5100	HP	MOBILITY FireGL T2	IBM
	FireGL V3100	Dell , HP	Fire GL X1	Dell , HP
	Fire GL X1	HP	Fire GL T2-128	IBM , HP
	Fire GL4	HP		
	Fire GL T2-128	HP		
	MOBILITY FireGL T2	HP		
Hewlett-Packard	FireGL-UX	HP		
	VISUALIZE – fx10	HP		
NVIDIA	Quadro FX 3000	Dell , HP , Sun	Quadro FX 3000	Dell , IBM
	Quadro FX 1100	HP , IBM , Sun	Quadro FX 2000	HP
	Quadro FX 1000	Dell , IBM	Quadro FX 1000	Dell , HP
	Quadro FX 700	Dell	Quadro4 380 XGL	HP
	Quadro FX 330	HP	Quadro4 580 XGL	IBM
	Quadro FX 1300	Dell , HP	Quadro4 750 XGL	HP
	Quadro FX 3400	Dell , HP	Quadro4 900 XGL	HP
	Quadro FX Go 1000	Dell	Quadro4 980XGL	HP , IBM
	Quadro FX Go 700	Dell		
	Quadro FX 3450	HP		
	Quadro FX 540	HP		
	Quadro FX 1400	HP , Sun		
	SGI	Vpro V10	SGI	Vpro V12
Vpro V12		SGI		
Sun	Elite3D	Sun	XVR-1200	Sun
			XVR-500	Sun
			XVR-600	Sun

Supported Peripherals and Accessories					
	Windows (XP, 2000, NT 4.0)	Sun Solaris	HP-UX	SGI IRIX	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	Certified
SpaceBall 5000	Certified	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

HP designjet 1055CM+	Certified	Certified	Certified	Certified	Not Supported or Certified
HP designjet 800PS	Certified	Certified	Certified	Certified	Certified
HP designjet 5500PS	Certified	Certified	Certified	Certified	Certified
HP designjet copier cc800PS	Certified	Certified	Certified	Certified	Certified

Printers

HP deskjet 1220cps	Certified	Certified	Certified	Certified	Not Supported or Certified
HP color inkjet cp1700ps	Certified	Certified	Certified	Certified	Not Supported or Certified
HP business inkjet 2600dn	Certified	Certified	Certified	Certified	Not Supported or Certified

Supported MCAD Systems

You can integrate several MCAD systems with Structural and Thermal Option Wildfire 2.0. The following table lists the supported MCAD systems and platforms.

Platforms	CATIA Release 4.2.0 (English only)	Pro/ENGINEER 2001 Date Code: 2001440 and higher	Unigraphics Release NX 2.0 (English only)
HP (32 and 64 bit)	x	x	x See Note a
Intel-based PC (Windows NT, XP, 2000)		x	x See Note a
SGL (64 bit)	x	x	x See Note a
Sun (32 and 64 bit)		x	x See Note a

NOTES

a. Only supported for import of UG parts into Structural and Thermal Option Wildfire 2.0 (transfer from UG using ugmech not supported).

Supported Finite Element Solvers

You can integrate several Finite Element Solvers with Structural and Thermal Option Wildfire 2.0 for use in FEM mode. The following table lists the supported Finite Element Solvers and platforms.

Platforms	NASTRAN 2004	ANSYS 8.0
HP (32 and 64 bit)	x	x
Intel-based PC (Windows NT, XP, 2000)	x	x
SGL (64 bit)	x	x

Platforms	NASTRAN 2004	ANSYS 8.0
Sun (32 and 64 bit)	x See Note a	x
NOTES		
a. Sun (64 bit) version is not supported.		

Supported Data Transfer Standards

Structural and Thermal Option Wildfire 2.0 supports the following standards for transferring data to and from MCAD programs:

Platform	DXF 13.0	IGES 5.2	VDA 2.0
HP (32 and 64 bit)	x	x	x
Intel-based PC (Windows NT, 2000, XP)	x	x	
SGI (64 bit)	x	x	x
Sun (32 and 64 bit)	x	x	x