

Hardware Notes - Pro/ENGINEER Wildfire 4.0

Last updated: May 1, 2008

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| Platform Support | | | |
|--|--|----------------------------------|---|
| Partner | Platform | Operating System levels | CPU |
| Hewlett-Packard | HP-UX (64-bit only) | 11iV1 ^a | PA8000 or later |
| Microsoft ▪ Dell ▪ Fujitsu-Siemens ▪ Hewlett-Packard ▪ IBM ▪ Lenovo ▪ Sun ▪ Fujitsu | 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 and 3 | 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 |
| Sun | Solaris (64-bit only) | 8 and 10 | UltraSPARC II or later |
| | Solaris (64-bit only) | 10 | Intel and AMD Opteron family |
| NOTES | | | |
| ^a 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 ^a | 2.5 GB | 3.0 GB or higher |
| | Pro/ENGINEER with Pro/ENGINEER Mechanica Wildfire 4.0 | 2.0 GB | 3.0 GB or higher ^a | 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 | | Browser (Mozilla 1.7.8) is embedded in Pro/Engineer on UNIX platform | |

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|--|--|--|
| | later) | |
| 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, 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. |
| 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 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 | | | | |
|--------------------------|--------------------------|-----------------------|--------------------------|---|
| Partner | Certified Graphics Cards | Certification Details | Supported Graphics Cards | Support Details |
| AMD (ATI) | | | FireGL V7300 | Fujitsu-Siemens |
| | | | FireGL V7200 | Dell, HP |
| | | | FireGL V5250 | Lenovo |
| | | | FireGL V5200 | Fujitsu-Siemens, HP, Lenovo |
| | | | FireGL V3400 | Dell, HP |
| | | | FireGL V3300 | HP |
| | | | FireGL T2-128 | HP |
| | | | FireGL-X1 | HP |
| | | | FireGL-X3 | HP |
| NVIDIA | | | Quadro FX5500 | HP, Sun |
| | | | Quadro FX4600 | Dell |
| | | | Quadro FX4500 | Dell, HP, Sun, IBM |
| | | | Quadro FX3500 | Dell, Fujitsu-Siemens, HP, Sun, IBM |
| | | | Quadro FX3450 | HP, Sun |
| | | | Quadro FX3400 | Dell, HP |
| | | | Quadro FX3000 | Sun |
| | | | Quadro FX2500 | Dell |
| | | | Quadro FX1500M | HP |
| | | | Quadro FX1500 | Dell, Fujitsu-Siemens, HP |
| | | | Quadro FX1400 | HP, Sun |
| | | | Quadro FX1100 | Sun |
| | | | Quadro FX560 | HP |
| | | | Quadro FX550 | Dell |
| | | | Quadro FX540 | HP, Sun |
| HP | | | FireGL-UX | HP |
| Sun | XVR-600 | Sun | XVR-1200 | Sun |

Supported Peripherals and Accessories

Windows (XP, XP
x64, Vista)

Sun Solaris

HP-UX

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

| | | |
|----------------|---|---------------------------|
| SpaceTraveler | Certified Certified | Certified |
| SpaceBall 5000 | 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 | Sun Solaris | HP-UX |
|-----------------------------|---------------------------|---------------------------|---------------------------|
| HP Designjet 1055CM+ | Certified | Certified | Certified |
| HP Designjet 800PS | Certified | Certified | Certified |
| HP Designjet 5500PS | Certified | Certified | Certified |
| HP Designjet copier cc800PS | Certified | Certified | Certified |
| HP Designjet 4000 | Certified | Certified | Certified |

Printers

| | | | |
|---------------------------|---------------------------|---------------------------|---------------------------|
| HP deskjet 1220cps | Certified | Certified | Certified |
| HP color inkjet cp1700ps | Certified | Certified | Certified |
| HP business inkjet 2600dn | Certified | Certified | Certified |

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 |

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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 |
| NOTES | | |
| | | |

Supported Data Transfer Standards

Pro/ENGINEER Mechanica 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 |