

# CoCreate<sup>®</sup> Modeling

System Requirements	
Release	CoCreate Modeling 2008
Version	16.0
Languages	English, French, German, Italian, Japanese, and Spanish
Support Available	Yes
Add-on Modules	Yes (through PTC and PTC Partners)
Operating Systems	Windows Vista 32-bit Editions: Ultimate, Business, and Enterprise <sup>(1)</sup> Windows Vista 64-bit Editions: Ultimate, Business, and Enterprise <sup>(1)</sup> Windows XP Professional <sup>(2)</sup> Windows XP Professional x64 <sup>(2)</sup>
System Memory (RAM)	Minimum: 512 MB Recommended: 1 GB or more Very Large Assemblies: 64-bit processor with 6 GB or more
CPU	Intel Pentium (III, 4, M, D) Intel Xeon Intel Celeron Intel Core AMD Athlon (XP, 64) AMD Opteron  Note: Support for single, dual, and quad-core CPUs.
Video Display	For certified graphics cards, <a href="#">click here</a> .
Workstations	For certified and tested workstations, <a href="#">click here</a> .
Input Devices	For certified input devices, <a href="#">click here</a> .
Optical Drive	DVD
Hard Disk Space	During DVD Installation: 3 GB Minimum: 900 MB
License Server	At least one CoCreate License Server is required locally or within a network to host and maintain licenses for CoCreate products.
Virtual Machines	CoCreate Modeling is not tested or certified on virtual machines, such as Microsoft VirtualPC or VMware products.

(1) Windows Vista Service Pack 1 (SP1)  
Determine if your Windows XP-based PC can run Windows Vista, [click here](#).

(2) Windows XP Service Pack 3 (SP3)

CoCreate products are tested on the latest operating system service pack available at the time of release. Because system requirements define a minimum operating system service pack, a newer Microsoft service pack should not affect CoCreate products.

However, we cannot guarantee the correct functioning of CoCreate products on newer operating system service packs. If CoCreate products are incompatible with the newest service pack, we will attempt to remove the incompatibilities in the next service pack or major release of its products.

## Video Display

We recommend using the latest certified driver version for the graphics cards listed below. The major graphics card requirement for CoCreate Modeling is support for OpenGL.

The "3 GB" column indicates tested graphics card with the 3 GB RAM parameter to enable application memory tuning. To learn more, read the Microsoft Technical Document, [Memory Support and Windows Operating Systems](#).

All graphics cards are supported on single- and dual screen configurations if not explicitly declared as not supported.

Graphics cards supported in the latest release of CoCreate Modeling are in **bold**.

3DLABS	Driver Version	Operating System	3GB	Release
Wildcat Realizm 100 Wildcat Realizm 200	4.3.199.0	Windows 2000 Professional Windows XP Professional	Yes	2004 to 2007
Wildcat Realizm 500	2000: 4.05.0777 XP: 4.05.0794	Windows 2000 Professional Windows XP Professional	Yes	2005 to 2007
Wildcat Realizm 800	4.05.0794	Windows 2000 Professional Windows XP Professional	Yes	2004 and 2007
Wildcat VP870	3.01-0181	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006
Wildcat VP880	3.1.330.0	Windows 2000 Professional Windows XP Professional		2002+ to 2006
Wildcat VP990	3.1.358.0	Windows 2000 Professional Windows XP Professional		2002+ to 2006
Wildcat4 7210	2000: 5.6.2.55 XP: 6.6.2.55	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006
Wildcat4 7110	2000: 5.6.2.55 XP: 6.6.2.55	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006
Wildcat 6110	2000: 5.5.4.51 XP: 6.5.3.15	Windows 2000 Professional Windows XP Professional		2002 to 2005
Wildcat 5110	5.05.04.51	Windows 2000 Professional	Yes	2002 to 2005
Wildcat 5000	5.04.02.04	Windows 2000 Professional	Yes	2002 to 2005
Wildcat 4110	5.1.2.1	Windows 2000 Professional	Yes	2002 to 2004

ATI	Driver Version	Operating System	3GB	Release
FireGL 2	5.12.2195.2078	Windows 2000 Professional	Yes	2000 to 2004
FireGL 4	5.12.2195.2084	Windows 2000 Professional	Yes	2001 to 2005
FireGL 8700 FireGL 8800 FireGL E1	7.96.2.1 <sup>(1)</sup>	Windows 2000 Professional Windows XP Professional	Yes	2002 to 2006
MOBILITY FireGL 7800 (M7 laptop chipset)	7.73.2 <sup>(1)</sup>	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006
FireGL X1	2000: 7.88.4.1 <sup>(1)</sup> XP: 8.062 <sup>(1)</sup>	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006
FireGL Z1	7.88.4.1 <sup>(1)</sup>	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006
FireGL X2-256	7.88.4.1 <sup>(1)</sup>	Windows 2000 Professional Windows XP Professional		2002+ to 2006
FireGL X2-256t	7.96.2.1 <sup>(1)</sup>	Windows 2000 Professional Windows XP Professional	Yes	2002+ to 2006

FireGL V3100	XP: 8.062 <sup>(1)</sup> XP: 8.293 x64: 8.133.1.1	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V3200	XP: 8.023.1 <sup>(1)</sup> XP: 8.293	Windows XP Professional	Yes	2004 and later
FireGL V3300	XP: 8.223 XP: 8.293 x64: 8.233	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V3350	8.293 8.353	Windows XP Professional Windows XP Professional x64		2007 and later
FireGL V3400	8.263 8.293	Windows XP Professional Windows XP Professional x64	Yes	2005 and later
FireGL V3600	8.453.1.3	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	Yes	2008 and later
FireGL V5000	XP: 8.103.2 <sup>(1)</sup> XP: 8.293 x64: 8.133.1.1	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V5100	XP: 8.062 <sup>(1)</sup> XP: 8.293 x64: 8.133.1.1	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V5200	XP: 8.223 XP: 8.293 x64: 8.233	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V5600	8.44	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
FireGL V7100	2000: 8.293 XP: 8.133.1.1 x64: 8.133.1.1	Windows 2000 Professional Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V7200	8.133.1.1 8.263 8.293	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V7300	XP: 8.293 XP: 8.133.1.1 x64: 8.133.1.1	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V7350	XP: 8.293 XP: 8.133.1.1 x64: 8.133.1.1	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
FireGL V7600	8.44 8.453.1.3	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
FireGL V8600	8.44	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
FireGL X3-256	8.062 <sup>(1)</sup>	Windows XP Professional	Yes	2004 and later
FireGL T2-64 FireGL T2-64s FireGL T2-128	7.88.4.1 <sup>(1)</sup>	Windows XP Professional Windows 2000 Professional		2002+ to 2006
MOBILITY FireGL V3100	8.083 (Dell)	Windows XP Professional	Yes	2005 and later
MOBILITY FireGL V3200	8.103.2.1.1 (IBM)	Windows XP Professional	Yes	2005 and later

**System Requirements** CoCreate Modeling Page 4 of 11

MOBILITY FireGL 9000	8.043.1.1-040907a-018167C (2D: 6.14.10.6467)	Windows XP Professional		2002+ and 2006
MOBILITY FireGL T2	7.93.4.1-031006a1-012010C (2D: 6.14.10.6378)	Windows XP Professional	Yes	2002+ and 2006

- (1) The ATI driver version identifies the complete driver package. The individual components of the ATI driver version (such as the 2D display driver, 3D OpenGL driver, and control panel components) usually have different version numbers. Take note when comparing driver version numbers.

On consumer-level graphics cards, ATI does not provide official driver support for high-end 3D CAD software, such as CoCreate Modeling. Currently, ATI considers all Radeon chipsets and cards as "consumer-level" hardware. Therefore, we cannot provide support for such configurations. To learn more, read the ATI datasheet, [FireGL or Radeon: How do I choose?](#)

ELSA	Driver Version	Operating System	3GB	Release
GLoria II	5.03.05.152	Windows 2000 Professional		2000+ to 2004
Synergy III	Detonator 3 (6.18)	Windows 2000 Professional		2002+ to 2005
GLoria III	Detonator 3 6.49 (11/17/2000)	Windows 2000 Professional		2000+ and 2005

HP	Driver Version	Operating System	3GB	Release
Visualize fx5 Visualize fx10	1.10	Windows 2000 Professional	Yes	2002+ to 2004
Visualize fx2+ Visualize fx4+ Visualize fx6+	2.10	Windows 2000 Professional	Yes	2000+ to 2004

Matrox Graphics	Driver Version	Operating System	3GB	Release
Parhelia 128+256 MB	1.3.0.43	Windows 2000 Professional		2002+ to 2005

NEC	Driver Version	Operating System	3GB	Release
TE5	1.1.9.982	Windows 2000 Professional		2002 to 2006

NVIDIA	Driver Version	Operating System	3GB	Release
Quadro2 MXR	Detonator 3 (6.18)	Windows 2000 Professional		2000+ to 2005
Quadro2 Pro	Detonator 3 (6.49, datecode 11/17/2000)	Windows 2000 Professional Windows XP Professional		2000+ to 2005
Quadro2 EX	Detonator 3 (6.49, datecode 11/17/2000)	Windows 2000 Professional		2002 to 2005
Quadro 4 700 XGL Quadro 4 900 XGL	2000: Detonator XP 28.32 XP: 81.67	Windows 2000 Professional Windows XP Professional	Yes	2002 to 2006
Quadro 4 550 XGL Quadro 4 750 XGL	61.82	Windows XP Professional	Yes (750)	2002 to 2006
Quadro 4 980 XGL	2000: 40.72, 91.36 XP: 61.82, 91.36	Windows 2000 Professional Windows XP Professional	Yes	2002 to 2007

**System Requirements** CoCreate Modeling Page 5 of 11

Quadro 4 380 XGL Quadro 4 580 XGL	40.52, 91.36	Windows 2000 Professional Windows XP Professional		2002+ to 2007
Quadro 4 500 Go	XP: Detonator 29.60	Windows 2000 Professional Windows XP Professional		2002+ to 2006
Quadro 4 700 GoGL	42.01 (12/11/2002)	Windows 2000 Professional Windows XP Professional		2002+ to 2006
Quadro FX 500 Quadro FX 1000	2000: 43.51 XP: 43.71 (FX 500 only)162.65	Windows 2000 Professional Windows XP Professional		2000: 2002+ to 2006 XP: 2002+ to 2007
<b>Quadro FX 330 Quadro FX 700 Quadro FX 1100 Quadro FX 2000 Quadro FX 3400 Quadro FX 4000</b>	<b>61.76,162.65</b>	<b>Windows XP Professional</b>	<b>Yes</b>	<b>2004 and later</b>
Quadro FX 3400 Quadro FX 4000	162.50	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro NVS 280	91.36,162.65	Windows XP Professional Windows XP Professional x64		2007 and later
Quadro NVS 285	91.36,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro NVS 285	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 350	84.26,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro FX 350	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 370	162.65	Windows XP Professional Windows XP Professional x64		2007 and later
Quadro FX 370	162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 540	XP: 71.84,162.65 x64: 81.67,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro FX 540	162.50	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 550	84.26,162.65 XP: 91.36,162.65 x64: 84.26,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro FX 550	162.50	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 560	XP: 84.2,162.65 x64: 84.26,162.65	Windows XP Professional Windows XP Professional x64		2004 and later
Quadro FX 560	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 570	162.65, 169.39	Windows XP Professional Windows XP Professional x64		2007 and later
Quadro FX 570	162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 1300	2000: 67.20,162.65 XP: 81.94,162.65	Windows 2000 Professional Windows XP Professional	Yes	2004 and later
Quadro FX 1400	2000: 71.84,162.65 XP: 71.84,162.65 x64: 81.67,162.65	Windows 2000 Professional Windows XP Professional Windows XP Professional x64	Yes	2004 and later

Quadro FX 1400	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 1500	84.26,162.65 XP: 91.85,162.65 x64: 84.26,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro FX 1500	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 1700	162.65, 169.39	Windows XP Professional Windows XP Professional x64		2007 and later
Quadro FX 1700	162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 3000	2000: 44.71,162.50,162.65 XP: 81.67,162.50,162.65	Windows 2000 Professional Windows XP Professional		2002+ to 2007
Quadro FX 3450	91.36,162.65 XP: 77.18,162.65 x64: 81.67,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro FX 3450	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 3500 (NVIDIA SLI)	84.26,91.36,162.65	Windows XP Professional Windows XP Professional x64	Yes	2004 and later
Quadro FX 3500	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 3700	162.65, 169.39, 169.47	Windows XP Professional Windows XP Professional x64	Yes	2007 and later
Quadro FX 4400	67.22,162.65	Windows XP Professional	Yes	2004 and later
Quadro FX 4400	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 4500	81.67,91.36,162.65	Windows XP Professional Windows XP Professional x64	Yes	2005 and later
Quadro FX 4500	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 4500 X2	91.33,91.36,162.65	Windows XP Professional Windows XP Professional x64	Yes	2005 and later
Quadro FX 4500 X2	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 4600	91.36,162.65,169.39 97.77 (Dell) 97.78 (HP)	Windows XP Professional Windows XP Professional x64		2007 and later
Quadro FX 4600	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 5500	91.36,162.65 91.31	Windows XP Professional Windows XP Professional x64	Yes	2005 and later
Quadro FX 5500	162.50,162.65	Windows Vista 32-bit Edition Windows Vista 64-bit Edition		2007 and later
Quadro FX 5600	169.39	Windows XP Professional Windows XP Professional x64	Yes	2007 and later
Quadro FX Go 700	44.24	Windows 2000 Professional Windows XP Professional		2002+ to 2006
Quadro FX Go 1000	53.81	Windows 2000 Professional Windows XP Professional		2002+ to 2006

Quadro FX Go 1400	67.71 (Dell)	<b>Windows 2000 Professional</b> <b>Windows XP Professional</b>		<b>2002+ to 2006</b>
<b>Quadro FX 350M</b>	<b>84.26</b>	<b>Windows XP Professional</b>	<b>Yes</b>	<b>2005 and later</b>
<b>Quadro FX 360M</b>	<b>101.19</b>	<b>Windows XP Professional</b>		<b>2007 and later</b>
<b>Quadro FX 570M</b>	<b>101.63</b>	<b>Windows Vista 32-bit Edition</b> <b>Windows Vista 64-bit Edition</b>		<b>2007 and later</b>
<b>Quadro FX 1500M</b>	<b>84.26</b>	<b>Windows XP Professional</b>	<b>Yes</b>	<b>2005 and later</b>
<b>Quadro FX 1600M</b>	<b>101.63, 174.70</b>	<b>Windows XP Professional</b> <b>Windows XP Professional x64</b> <b>Windows Vista 32-bit Edition</b> <b>Windows Vista 64-bit Edition</b>		<b>2007 and later</b>
<b>Quadro FX 2500M</b>	<b>84.26</b>	<b>Windows XP Professional</b>		<b>2005 and later</b>
<b>Quadro FX 3600M</b>	<b>174.70</b>	<b>Windows XP Professional</b> <b>Windows XP Professional x64</b> <b>Windows Vista 32-bit Edition</b> <b>Windows Vista 64-bit Edition</b>		<b>2007 and later</b>

On consumer-level graphics cards, NVIDIA does not provide official driver support for high-end 3D CAD software, such as CoCreate Modeling. Currently, NVIDIA considers all GeForce chipsets and cards as "consumer-level" hardware. Therefore, we cannot provide support for such configurations. To learn more, read the NVIDIA Technical Brief, [Quadro vs. GeForce Features and Benefits](#).

## Workstations

We test and certify specific workstation configurations to help customers find the right balance between performance, cost, and unique 3D CAD requirements.

Workstations supported in the latest release of CoCreate Modeling are in **bold**.

<b>Dell Precision</b>	<b>Graphics Card</b>	<b>Operating System</b>	<b>Release</b>
M2300 Mobile Workstation	NVIDIA Quadro FX 360M	Windows XP Professional	2007
M4300 Mobile Workstation	NVIDIA Quadro FX 360M	Windows XP Professional	2007
M90 Mobile Workstation	NVIDIA Quadro FX 2500M	Windows XP Professional	2007
M65 Mobile Workstation	NVIDIA Quadro FX 350M	Windows XP Professional	2007
<b>M70 Mobile Workstation</b>	<b>NVIDIA Quadro FX Go1400</b>	<b>Windows XP Professional</b>	<b>2005 and later</b>
<b>M20 Mobile Workstation</b>	<b>ATI Mobility FireGL V3100</b>	<b>Windows XP Professional</b>	<b>2005 and later</b>
<b>PW370 Workstation</b>	<b>ATI FireGL V3100</b> <b>NVIDIA Quadro FX1400</b> <b>NVIDIA Quadro FX3400</b> <b>NVIDIA Quadro FX4400</b>	<b>Windows XP Professional</b>	<b>2004 and later</b>
<b>PW390 Workstation</b>	<b>ATI FireGL V3400</b> <b>ATI FireGL V7200</b> <b>NVIDIA Quadro FX 550</b> <b>NVIDIA Quadro FX 3450</b> <b>NVIDIA Quadro FX 3500</b> <b>NVIDIA Quadro FX 4500</b> <b>NVIDIA Quadro FX 4600</b>	<b>Windows XP Professional</b> <b>Windows XP Professional x64</b>	<b>2005+ and later</b>

PW470 Workstation	ATI FireGL V3100 NVIDIA Quadro FX1400 NVIDIA Quadro FX3400 NVIDIA Quadro FX4400	Windows XP Professional	2004 and later
PW670 Workstation	NVIDIA Quadro FX 540 NVIDIA Quadro FX 1300 NVIDIA Quadro FX 3400 NVIDIA Quadro FX 1400 NVIDIA Quadro FX 4400	Windows XP Professional	2004 and later
PW690 Workstation	ATI FireGL V3400 ATI FireGL V7200 NVIDIA Quadro FX 550 NVIDIA Quadro NVS 285 NVIDIA Quadro FX 3450 NVIDIA Quadro FX 3500 NVIDIA Quadro FX 4500 NVIDIA Quadro FX 4600 NVIDIA Quadro FX 5500	Windows XP Professional Windows XP Professional x64	2005 and later
T3400	NVIDIA Quadro FX 570 NVIDIA Quadro FX 1700 NVIDIA Quadro FX 3700 NVIDIA Quadro FX 4600 ATI FireGL V3600 ATI FireGL V7600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
T5400	NVIDIA Quadro FX 570 NVIDIA Quadro FX 1700 NVIDIA Quadro FX 3700 NVIDIA Quadro FX 4600 ATI FireGL V5600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
T7400	NVIDIA Quadro FX 570 NVIDIA Quadro FX 1700 NVIDIA Quadro FX 3700 NVIDIA Quadro FX 4600 ATI FireGL V5600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later

Fujitsu	Graphics Card	Operating System	Release
Celsius J350	NVIDIA Quadro FX 1500	Windows XP Professional Windows Vista	2007 and later
Celsius X840	NVIDIA Quadro FX 3500 (SLI)	Windows XP Professional Windows XP Professional x64	2007 and later
Celsius X630	ATI FireGL V3200 ATI FireGL V7100 Wildcat Realizm 800	Windows 2000 Professional Windows XP Professional	2004 and later
Celsius N430	ATI FireGL V3200 ATI FireGL V710 Wildcat Realizm 800	Windows 2000 Professional Windows XP Professional	2004 and later
Celsius N440	ATI FireGL V5000 ATI FireGL 7100 NVIDIA Quadro FX3450 Wildcat Realizm 800	Windows XP Professional Windows XP Professional x64	2005+ and later
Celsius N450	NVIDIA Quadro FX 1500	Windows XP Professional Windows XP Professional x64	2005+ and later
Celsius J330	ATI FireGL V3200	Windows XP Professional	2004 and later
Celsius J340	ATI FireGL V5000 NVIDIA Quadro FX 1500	Windows XP Professional	2004 and later

Fujitsu-Siemens	Graphics Card	Operating System	Release
Celsius H250	NVIDIA Quadro FX 570M	Windows Vista 32-bit Edition	2007 and later

HP (including Compaq)	Graphics Card	Operating System	Release
8710w	NVIDIA Quadro FX 1600M NVIDIA Quadro FX 3600M	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
8510w	NVIDIA Quadro FX 570M	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
8510w	ATI Mobility FireGL V5600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
nw9440	NVIDIA Quadro FX 1500M	Windows XP Professional	2005+ and later
nw8440	ATI FireGL V5200	Windows XP Professional	2005+ and later
xw8600	NVIDIA Quadro FX 370 NVIDIA Quadro FX 570 NVIDIA Quadro FX 1700 NVIDIA Quadro FX 3500 NVIDIA Quadro FX 3700 NVIDIA Quadro FX 4600 NVIDIA Quadro FX 5600 ATI FireGL V5600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
xw4600	NVIDIA Quadro NVS 290 NVIDIA Quadro FX 370 NVIDIA Quadro FX 570 NVIDIA Quadro FX 1700 NVIDIA Quadro FX 3700 NVIDIA Quadro FX 3500 NVIDIA Quadro FX 4600 ATI FireGL V5600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
xw4550	NVIDIA Quadro NVS 290 NVIDIA Quadro FX 370 NVIDIA Quadro FX 570 NVIDIA Quadro FX 1700 NVIDIA Quadro FX 3700 ATI FireGL V5600	Windows XP Professional Windows XP Professional x64 Windows Vista 32-bit Edition Windows Vista 64-bit Edition	2007 and later
xw4400	ATI FireGL V3300 ATI FireGL V3350 ATI FireGL V7200 NVIDIA Quadro FX 4600 NVIDIA Quadro NVS 285 NVIDIA Quadro FX 5500 NVIDIA Quadro FX 4500 NVIDIA Quadro FX 1500	Windows XP Professional Windows XP Professional x64	2005+ and later
xw9300	ATI FireGL V3300 ATI FireGL V3350 ATI FireGL V7200 NVIDIA Quadro FX 4500 NVIDIA Quadro FX 4500X2 NVIDIA Quadro FX 3500 NVIDIA Quadro FX 1500 NVIDIA Quadro FX 560	Windows XP Professional Windows XP Professional x64	2005+ and later

xw8400	ATI FireGL V3300 ATI FireGL V3350 ATI FireGL V7200 NVIDIA Quadro FX 4600 NVIDIA Quadro FX 4500 NVIDIA Quadro FX 4500X2 NVIDIA Quadro FX 3500 NVIDIA Quadro FX 1500 NVIDIA Quadro FX 560	Windows XP Professional Windows XP Professional x64	2005+ and later
--------	---	--	-----------------

IBM (including Lenovo)	Graphics Card	Operating System	Release
IntelliStation A-Pro: 6224-37Z	NVIDIA Quadro FX 1100	Windows 2000 Professional Windows XP Professional	2002+ to 2006
IntelliStation Z-Pro: 6223-21Z	NVIDIA Quadro FX 1300	Windows XP Professional	2005 and later
IntelliStation E-Pro: 6226-45U	ATI FireGL 8800	Windows XP Professional	2002+ to 2006
IntelliStation M-Pro: 6225	ATI FireGL V7100 NVIDIA Quadro FX1400 Wildcat Realizm800	Windows XP Professional	2005 and later
IntelliStation M-Pro: 6230-36U	NVIDIA Quadro FX1000 NVIDIA Quadro FX3000 NVIDIA Quadro 4 980 XGL NVIDIA Quadro 4 580 XGL	Windows XP Professional	2005 and later
IntelliStation M-Pro: 6219-36Z	NVIDIA Quadro 4 980 XGL	Windows XP Professional	2005 and later
IntelliStation M-Pro: 6216-36Z	NVIDIA Quadro 4 980 XGL	Windows XP Professional	2005 and later
Lenovo ThinkPad: 8741	ATI FireGL V5250	Windows XP Professional	2006 and later
Lenovo ThinkPad: T61p	NVIDIA Quadro FX 570M	Windows XP Professional	2007 and later
Lenovo ThinkPad: T60p 2007	ATI FireGL V5250	Windows XP Professional	2006 and later
Lenovo ThinkPad: T60p	ATI FireGL V5200	Windows XP Professional	2005 and later
Lenovo ThinkPad: Z61p	ATI FireGL V5200	Windows XP Professional	2005+ and later
Lenovo ThinkPad: T42p	ATI Mobility FireGL T2	Windows XP Professional	2002+ to 2006
Lenovo ThinkPad: R50p	ATI Mobility FireGL T2	Windows XP Professional	2002+ to 2006

## Input Devices

3Dconnexion	Driver Version
Spaceball 4000	2.8.2
SpaceMouse	2.8.2
SpacePilot	3.4.2, 3.5.6, 3.6.6
SpaceNavigator	3.4.2, 3.5.6, 3.6.6

SpaceNavigator for Notebooks	3.6.6
SpaceTraveller	3.4.2, 3.5.6, 3.6.6
SpaceExplorer	3.4.2, 3.5.6, 3.6.6

3Dconnexion input devices are supported on Windows XP Professional, Windows XP Professional x64, and Windows Vista 32-bit & 64-bit Editions operating systems.

Windows Vista®, Windows XP®, and Windows 2000® are registered trademarks of Microsoft Corporation.

Intel® Pentium®, Intel® Xeon®, Intel® Celeron®, and Intel® Core™ are registered trademarks of Intel Corporation.

AMD Athlon™ and AMD Opteron™ are registered trademarks of Advanced Micro Devices, Inc.

Wildcat™ is a registered trademark of 3DLABS, Inc.

FireGL™ is a registered trademark of ATI Technologies, Inc.

Synergy™ and Gloria™ are registered trademarks of ELSA Technology, Inc.

Quadro® is a registered trademark of NVIDIA Corporation.

Thinkpad® is a registered trademark of Lenovo.