

PTC Creo 3.0 Hardware Support – Hewlett Packard

Last updated: August 28, 2018

The [Desktop Virtualization Environment Support – HP](#) table displays at the end of this document, after the standard Creo certification table.

All drivers listed in this document available from your workstation manufacturer. Do not attempt to search AMD(ATI) or NVIDIA websites as those hardware vendors often will only have current (latest) drivers available which in most cases HAVE NOT BEEN TESTED by PTC.

Graphics drivers certified for HP Z workstations and Elite Book mobile workstations are available for download from HP Performance Advisor. For more information about HP Performance Advisor go to <http://www.hp.com/go/hpperformanceadvisor>.

If multiple certified or supported drivers are listed for a particular hardware configuration, PTC recommends using the latest configuration posted.

PTC recommends customers planning on upgrading to Creo 3.0 should consider moving to 64 Bit hardware as 32-bit platforms will not allow you to experience the best Creo performance and may not be supported on future versions of Creo.

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
Z1	Windows 7 32 and 64 Bit	NVIDIA Quadro 1000M	276.28	24-May-2012	F000	Supported N+1
		NVIDIA Quadro 3000M				
		NVIDIA Quadro 4000M				
		NVIDIA Quadro K3000M	306.68	14-Jan-2013		
		NVIDIA Quadro K4000M				
Z1 G2	Windows 8.1 32 and 64 Bit	NVIDIA Quadro K610M	331.82	06-Mar-2014	F000	Supported N+1
		NVIDIA Quadro K2100M	331.82	06-Mar-2014		
		NVIDIA Quadro K3100M	331.82	06-Mar-2014		
		NVIDIA Quadro K4100M	331.82	06-Mar-2014		
	Windows 7 32 and 64 Bit	NVIDIA Quadro K610M	331.82	20-Jan-2014		
		NVIDIA Quadro K2100M	331.82	20-Jan-2014		
		NVIDIA Quadro K3100M	331.82	20-Jan-2014		
		NVIDIA Quadro K4100M	331.82	20-Jan-2014		
Z1 G3	Windows 10 64 Bit	NVIDIA Quadro M1000M	361.91	19-May-2016	M060	Supported N+1
Z2 Mini G3	Windows 7 32 and 64 Bit	NVIDIA Quadro M620	372.95	06-Feb-2017	F000	Supported N+1
	Windows 10 64 Bit	NVIDIA Quadro M620	372.95	28-Dec-2016	M060	Supported N+1
Z220 SFF (Small Form Factor)	Windows 7 32 and 64 Bit	AMD FirePro V3900	8.911.3.6	17-Oct-2012	F000	Supported N+1
		NVIDIA Quadro 600	276.28	08-Jun-2012		
Z210	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	275.89	05-Dec-2011	F000	Supported N+2
		AMD FirePro V5900	8.83.5.4			
Z220,	Windows 7 32 and 64 Bit	NVIDIA Quadro 600	276.28	08-Jun-2012	F000	Supported N+1

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
Z220 CMT (Convertible Minitower)		NVIDIA Quadro 2000				
		AMD FirePro V3900	8.911.3.6	17-Oct-2012		
		AMD FirePro V4900	8.911.3.6	12-Nov-2012		
		AMD FirePro V5900				
		NVIDIA Quadro K600	311.15	28-Mar-2013		
		NVIDIA Quadro K2000				
		NVIDIA Quadro K4000				
		AMD FirePro W7000	12.104.2	08-Jul-2013		
Z230	Windows 7 32 and 64 Bit	NVIDIA Quadro K2000	311.44	06-Aug-2013	F000	Supported N+1
		NVIDIA Quadro K4000	311.44	27-Aug-2013		
		AMD FirePro W7000	12.104.2	17-Sep-2013		
		INTEL HD Graphics P4600	9.18.10.3257	03-Dec-2013		
		NVIDIA Quadro K620	340.52	04-Sep-2014		
		NVIDIA Quadro K2200	340.52	04-Sep-2014		
		NVIDIA Quadro K4200	340.52	04-Sep-2014		
		AMD FirePro W5100	14.301.1014	04-Feb-2015		
Z230 SFF	Windows 7 32 and 64 Bit	NVIDIA Quadro K600	311.44	15-Oct-2013	F000	Supported N+1
		NVIDIA Quadro K620	340.52	04-Sep-2014		
		NVIDIA Quadro K1200	347.52	22-Mar-2015		
Z240 SFF	Windows 7 32 and 64 Bit	NVIDIA Quadro K620	354.13	24-Nov-2015	F000	Supported N+1
		AMD FirePro W4300	15.201.2401	03-Apr-2016		
		NVIDIA Quadro K1200	361.91	02-Jan-2017		
		NVIDIA Quadro P400	375.86	05-Sep-2017		
		NVIDIA Quadro P600	375.86	05-Sep-2017		
		NVIDIA Quadro P1000	375.86	05-Sep-2017		
	Windows 10 64 Bit	NVIDIA Quadro P400	385.69	13-Feb-2018	M060	Supported N+1
		NVIDIA Quadro P600	385.69	13-Feb-2018		
		NVIDIA Quadro P1000	385.69	13-Feb-2018		
		NVIDIA Quadro K620	385.69	20-Mar-2018		
NVIDIA Quadro K1200	385.69	26-Mar-2018				
Z240 Tower	Windows 7 32 and 64 Bit	NVIDIA Quadro K2200	354.13	24-Nov-2015	F000	Supported N+1
		NVIDIA Quadro M4000	354.13	23-Dec-2015		
		AMD FirePro W5100	15.20.1045	09-Feb-2016		
		NVIDIA Quadro K620	354.13	24-Nov-2015		
		AMD FirePro W4300	15.201.2401	03-Apr-2016		
		NVIDIA Quadro M2000	361.91	19-Apr-2016		
		NVIDIA Quadro P2000	375.86	20-Apr-2017		

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
		AMD Radeon Pro WX 4100	16.50.2701	14-May-2017		
		NVIDIA Quadro P400	375.86	05-Sep-2017		
		NVIDIA Quadro P600	375.86	05-Sep-2017		
		NVIDIA Quadro P1000	375.86	05-Sep-2017		
	Windows 10 64 Bit	NVIDIA Quadro M2000	361.91	28-May-2016	M060	Supported N+1
		NVIDIA Quadro P2000	375.86	20-Apr-2017		
		NVIDIA Quadro P400	385.69	13-Feb-2018		
		NVIDIA Quadro P600	385.69	13-Feb-2018		
		NVIDIA Quadro P1000	385.69	13-Feb-2018		
		NVIDIA Quadro K620	385.69	20-Mar-2018		
NVIDIA Quadro K1200	385.69	26-Mar-2018				
Z4 G4	Windows 10 64 Bit	NVIDIA Quadro P4000	385.69	29-Nov-2017	M060	Supported N+1
		NVIDIA Quadro P5000	385.69	29-Nov-2017		
		NVIDIA Quadro P400	385.69	02-Jan-2018		
		NVIDIA Quadro P600	385.69	02-Jan-2018		
		NVIDIA Quadro P1000	385.69	02-Jan-2018		
		NVIDIA Quadro P2000	385.69	08-Mar-2018		
Z400	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	275.89	05-Dec-2011	F000	Supported N+2
		NVIDIA Quadro 4000				
		AMD FirePro V5900	8.83.5.4			
		AMD FirePro V7900				
Z420	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	276.28	24-May-2012	F000	Supported N+1
		NVIDIA Quadro 4000				
		NVIDIA Quadro 600	276.28	25-Jun-2012		
		NVIDIA Quadro K5000	306.68	19-Dec-2012		
		NVIDIA Quadro 5000	276.28	24-Oct-2012		
			306.68	19-Dec-2012		
		AMD FirePro V5900	8.911.3.6	19-Dec-2012		
		AMD FirePro V7900				
		NVIDIA Quadro K600	311.15	28-Mar-2013		
		NVIDIA Quadro K2000				
		NVIDIA Quadro K4000				
AMD FirePro W7000	12.104.2	08-Jul-2013				
Z440	Windows 7 32 and 64 Bit	NVIDIA Quadro K620	340.52	04-Sep-2014	F000	Supported N+1
		NVIDIA Quadro K2200	340.52	04-Sep-2014		
		NVIDIA Quadro K4200	340.52	04-Sep-2014		
		NVIDIA Quadro K5200	340.52	04-Sep-2014		
		AMD FirePro W7100	14.301.1014	04-Feb-2015		

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
		NVIDIA Quadro M4000	358.87	17-Jan-2016		
		NVIDIA Quadro M2000	361.91	19-Apr-2016		
		NVIDIA Quadro P4000	375.86	04-May-2017		
	Windows 8.1 32 and 64 Bit	NVIDIA Quadro K2200	340.52	04-Feb-2015	F000	Supported N+1
	Windows 10 64 Bit	NVIDIA Quadro M4000	361.91	13-May-2016	M060	Supported N+1
		NVIDIA Quadro M2000	361.91	28-May-2016		
NVIDIA Quadro P4000		375.86	04-May-2017			
Z6 G4	Windows 10 64 Bit	NVIDIA Quadro P400	385.69	02-Jan-2018	M060	Supported N+1
		NVIDIA Quadro P600	385.69	02-Jan-2018		
		NVIDIA Quadro P1000	385.69	02-Jan-2018		
Z600	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	275.89	05-Dec-2011	F000	Supported N+2
		NVIDIA Quadro 4000				
		AMD FirePro V5900	8.83.5.4			
		AMD FirePro V7900				
Z620	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	276.28	24-May-2012	F000	Supported N+1
		NVIDIA Quadro 4000				
		NVIDIA Quadro 600	276.28	25-Jun-2012		
		NVIDIA Quadro 5000	276.28	24-Oct-2012		
			306.68	19-Dec-2012		
		AMD FirePro V5900	8.911.3.6	19-Dec-2012		
		AMD FirePro V7900				
		NVIDIA Quadro K5000	306.68	19-Dec-2012		
		NVIDIA Quadro K600	311.15	28-Mar-2013		
		NVIDIA Quadro K2000				
		NVIDIA Quadro K4000				
AMD FirePro W7000	12.104.2	08-Jul-2013				
Z640	Windows 7 32 and 64 Bit	NVIDIA Quadro K620	340.52	04-Sep-2014	F000	Supported N+1
		NVIDIA Quadro K2200	340.52	04-Sep-2014		
		NVIDIA Quadro K4200	340.52	04-Sep-2014		
		NVIDIA Quadro K5200	340.52	04-Sep-2014		
		NVIDIA Quadro M4000	358.87	17-Jan-2016		
Z8 G4	Windows 10 64 Bit	NVIDIA Quadro P2000	385.69	29-Nov-2017	M060	Supported N+1
Z800	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	275.89	05-Dec-2011	F000	Supported N+2
		NVIDIA Quadro 4000				
		AMD FirePro V5900	8.83.5.4			

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
		AMD FirePro V7900				
		NVIDIA Quadro FX4800	306.68	09-Jan-2013	F000	Supported N+1
Z820	Windows 7 32 and 64 Bit	NVIDIA Quadro 2000	276.28	24-May-2012	F000	Supported N+1
		NVIDIA Quadro 4000		25-Jun-2012		
		NVIDIA Quadro 600	276.28	24-Oct-2012		
		NVIDIA Quadro 5000	306.68	19-Dec-2012		
			306.68	19-Dec-2012		
		NVIDIA Quadro K5000	306.68	19-Dec-2012		
		AMD FirePro V5900	8.911.3.6	19-Dec-2012		
		AMD FirePro V7900				
		NVIDIA Quadro K600	311.15	28-Mar-2013		
		NVIDIA Quadro K2000				
		NVIDIA Quadro K4000				
	AMD FirePro W7000	12.104.2	08-Jul-2013			
	Windows 7 64 Bit	NVIDIA Quadro K4000 + Tesla K20 *	311.15	03-Apr-2013	F000	Supported N+1
Z840	Windows 7 32 and 64 Bit	NVIDIA Quadro K620	340.52	22-Sep-2014	F000	Supported N+1
		NVIDIA Quadro K2200	340.52	22-Sep-2014		
		NVIDIA Quadro K4200	340.52	22-Sep-2014		
		NVIDIA Quadro K5200	340.52	22-Sep-2014		
		NVIDIA Quadro M5000	358.87	01-Feb-2016		
		NVIDIA Quadro M4000	358.87	17-Jan-2016		
ZBook X2 G4	Windows 10 64 Bit	NVIDIA Quadro M620	385.94	11-Apr-2018	M060	Supported N+1
ZBook Studio G4	Windows 10 64 Bit	NVIDIA Quadro M1200	377.43	05-Sep-2017	M060	Supported N+1
ZBook Studio G3	Windows 7 32 and 64 Bit	NVIDIA Quadro M1000M	354.61	23-Mar-2016	F000	Supported N+1
	Windows 10 64 Bit	NVIDIA Quadro M1000M	354.61	05-May-2016	M060	Supported N+1
ZBook 14u G4	Windows 10 64 Bit	AMD FirePro W4190	16.50.2701	08-Apr-2017	M060	Supported N+1
ZBook 14 G2	Windows 7 32 and 64 Bit	AMD FirePro M4150	14.301.1002.1006	27-Apr-2015	F000	Supported N+1
	Windows 8.1 32 and 64 Bit	AMD FirePro M4150	14.301.1002.1006	06-Jun-2015	F000	Supported N+1
ZBook 14	Windows 7 32 and 64 Bit	AMD FirePro M4100	13.101.1	29-Jan-2014	F000	Supported N+1
ZBook 15 G4	Windows 10 64 Bit	NVIDIA Quadro M2200	377.43	16-Aug-2017	M060	Supported N+1
		NVIDIA Quadro P3000	377.43	16-Aug-2017		
		NVIDIA Quadro M620	377.43	21-Sep-2017		
ZBook 15u G4	Windows 10 64 Bit	AMD FirePro W4190	16.50.2701	08-Apr-2017	M060	Supported N+1

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
ZBook 15u G3	Windows 7 32 and 64 Bit	AMD FirePro W4190M	15.201.2601.1003	28-May-2016	F000	Supported N+1
ZBook 15 G3	Windows 7 32 and 64 Bit	NVIDIA Quadro M1000M	354.61	23-Mar-2016	F000	Supported N+1
		NVIDIA Quadro M2000M	354.61	03-Apr-2016		
		NVIDIA Quadro M600M	354.90	08-Sep-2016		
	Windows 10 64 Bit	NVIDIA Quadro M1000M	354.61	05-May-2016	M060	Supported N+1
		NVIDIA Quadro M600M	356.49	18-Oct-2016		
		NVIDIA Quadro M2000M	376.99	06-Jun-2017		
ZBook 15u G2	Windows 7 32 and 64 Bit	AMD FirePro M4170	14.301.1002.1006	27-Apr-2015	F000	Supported N+1
ZBook 15 G2	Windows 7 32 and 64 Bit	NVIDIA Quadro K610M	333.56	25-Nov-2014	F000	Supported N+1
		NVIDIA Quadro K1100M	333.56	25-Nov-2014		
		NVIDIA Quadro K2100M	333.56	25-Nov-2014		
		AMD FirePro M5100	14.301.1003.1003	22-Jan-2015		
	Windows 8.1 32 and 64 Bit	NVIDIA Quadro K2100M	333.56	14-Feb-2015	F000	Supported N+1
ZBook 15	Windows 7 32 and 64 Bit	NVIDIA Quadro K610M	312.33	08-Oct-2013	F000	Supported N+1
		NVIDIA Quadro K1100M	312.33	08-Oct-2013		
		NVIDIA Quadro K2100M	312.33	08-oct-2013		
ZBook 17 G4	Windows 10 64 Bit	NVIDIA Quadro P3000	377.43	16-Aug-2017	M060	Supported N+1
ZBook 17 G3	Windows 7 32 and 64 Bit	NVIDIA Quadro M2000M	354.61	03-Apr-2016	F000	Supported N+1
		NVIDIA Quadro M3000M	354.61	19-Apr-2016		
ZBook 17 G2	Windows 7 32 and 64 Bit	AMD FirePro M6100	14.301.1003.1003	22-Jan-2015	F000	Supported N+1
		NVIDIA Quadro K3100M	333.56	31-Jan-2015		
		NVIDIA Quadro K2200M	341.22	24-Feb-2015		
ZBook 17	Windows 7 32 and 64 Bit	NVIDIA Quadro K610M	312.33	08-Oct-2013	F000	Supported N+1
		NVIDIA Quadro K3100M	312.33	08-Oct-2013		
		NVIDIA Quadro K4100M	312.33	08-Oct-2013		
		NVIDIA Quadro K5100M	312.33	08-Oct-2013		
8770w	Windows 7 32 and 64 Bit	AMD FirePro M4000	8.951.6.15	11-Sep-2012	F000	Supported N+1
		NVIDIA Quadro K3000M	297.03	01-Nov-2012		
		NVIDIA Quadro K4000M	297.03	05-Dec-2012		
		NVIDIA Quadro K5000M	297.03	05-Dec-2012		
8570w	Windows 7 32 and 64 Bit	NVIDIA Quadro K2000M	297.03	23-Aug-2012	F000	Supported N+1
		NVIDIA Quadro K1000M				
		AMD FirePro M4000	8.951.6.15	11-Sep-2012		

Machine	O/S	Graphics Hardware	Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
NOTES						
<p>* PTC Creo does not directly utilize the Tesla K20 but it has been included as part of Creo certification of HP Z820 + Quadro 'Kepler' generation cards such as the K2000, K4000, and K5000. For more information on NVIDIA Maximus http://www.nvidia.com/object/maximus.html</p>						
<p>Creo 3.0 uses advanced OpenGL 4.0 capabilities that are necessary to support Order Independent Transparency – this functionality will not be available on systems with graphics cards which support OpenGL 3.x or earlier, such as Quadro FX.</p>						
<p>The latest graphics driver from AMD (15.201.2601.1003) has been found to resolve several random Creo exits. You should install this driver version if you are experiencing this exit condition.</p>						

Desktop Virtualization Environment Support - HP

Server Hardware	Hypervisor	VDI Server Software Stack	VM Client	Virtualization Mode and Host Driver	Graphics Card and Driver Version	Date Certified or Supported	Minimum Supported Datecode	Status
DL380z	Citrix XenServer 6.2 SP1	Citrix XenDesktop 7.5	Windows 7 64 Bit	GPU Pass Through	NVIDIA Grid K2 332.76	07-Jul-2014	F000	Supported N+1

Client Configuration

PTC has tested the above virtualized desktop environments with a variety of desktops and laptops. Please consult your virtualization technology provider on the recommendations for the client hardware.

New certifications are currently in progress.

Please check back later for further updates.