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Technical bulletin
DRAFT

Prinergy Evo Server Hardware and Configuration Specifications for Software Only Installation

This technical bulletin describes specifies the Dell hardware components and related manufacturer part numbers, and the different firmware, system drivers, and required system configurations applications used by Creo to build a Creo Premium or Performance workflow server needed to install andto optimally run a Prinergy Evo system. This document is intended to be used as a guide from which you can build a hardware and system bench mark server computer on which you can install a software -only version of Prinergy Evo.

By purchasing a software-only version of Prinergy Evo, Creo will provide support only for the Prinergy Evo application software. Creo will not provide support on your hardware, network system, or operating system.

Important: Due to support issues, before using any of the software-only documents, please contact Ian Williams at local 2540, or mobile number 604-318-3658.

Who should use this technical bulletin?

This technical bulletin is intended for Creo customers and Creo indirect channels, who have purchased Prinergy Evo as a software-only configuration and intend to build, or supply, their own hardware server computer on which to install and optimally run Prinergy Evo.

To use this document you should:

- Be familiar with building server computers from hardware components
- Be familiar with system networking
- Be familiar with installing and configuring software
- Be familiar with the Windows operating system
- Have a working knowledge of prepress operations

If you have purchased a complete Prinergy Evo system from Creo, you do not need this document as Creo will ship the complete Prienrgy Prinergy Evo system hardware and software configuration to you.

Who should use this technical bulletin?

This technical bulletin is intended for anyone who has purchased Prinergy Evo as a software only configuration.

Additional Resources

Prinergy Evo Product Specifications	Lists and describes the base and optional Prinergy Evo product features	Creo's eCentral
Prinergy Evo Performance benchmarks Sales Sheet	Describes Prinergy Evo performance benchmarks with specific Creo output devices based on Creo build server computers. Creo cannot guarantee that you will have the same Prienrgy Evo performance benchmarks based on computers you purchased outside Creo.	Sales Information Portal (SIP)
Prinergy Evo Installation Guide	Describes the list of installation prerequisites, Creo supported output devices, and explains how to install the Prinergy Evo Server software and Client software.	Prinergy Evo DVD
Prinergy Evo System Administration Guide	Describes the Prinergy Evo system, and explains how to set up your Prinergy Evo server computer for the Prinergy Evo system	Prinergy Evo DVD
Prinergy Evo Connectivity User Guides and Technical Bulletins	Describes how to set up Prinergy Evo to connect to a number of Creo devices as well as third party proofers	Creo's eCentral – https://ecentral.creo.com/ You must have a registered eCentral user account and password.

Summary of Required Hardware for Prinergy Evo Systems

General Requirements on the Production Floor

- Internet access. Broadband is recommended.
- A dedicated network drop for Prinergy Evo
- An Ethernet cable to connect Prinergy Evo server computer to the network
- Power cords

Summary of Required Hardware Specifications for the Creo Premium Workflow Server Computer

The following table lists the minimum required hardware components, device drivers, and serial port drivers that Creo uses to build a Creo Premium workflow server computer.

*** Ensure that you install the specific part and version as it is required in order to properly run Prinergy Evo.

Type	Hardware Parts	Description
Base unit	PE2600 3.06GHZ/512K/533 XEON	PowerEdge 2600 3.06GHz/512K 533MHz FSB Xeon
Processor	2ND PROC 3.06GHZ/512K/533 XEON,2600	2nd Processor 3.06GHz/512K 533MHz FSB Xeon, PowerEdge 2600
Memory	2X 1GB DDR SDRAM 266MHZ (2X512) (2GB TOTAL)	1GB DDR SDRAM 266MHZ (2X512) PowerEdge
Hard drive	36GB,U320,SCSI,1IN 10K	36GB, 10K RPM, Ultra 320 SCSI Hard Drive
Backplane	1X6 BACKPLANE,PE2600	1X6 Backplane, PE2600
Additional Storage Products	2X36GB,U320,SCSI,10K W/CAGETWR	2X36GB,U320,SCSI, with 1x2 media bay (backplane)
Controller options	39160 ULTRA3 SCSI LVD CTRL,FACT	Controller Card,SCSI,39160, Internal/External,U3,Low Voltage Differential
Option 2	TOWER CHASSIS,P2600	Tower Chassis Orientation,P2600
Hard drive controller	PERC4/DI 128MB (2 INTERNAL CHANNELS)	PERC4/Di, 128MB (2 Internal RAID Channels)
CD-ROM or DVD ROM drive	DVD,4.7G,I,INT	DVD,4.7G,I,Internal,NN
Floppy disk drive	3.5 IN,1.44MB,FD	3.5 in,1.44MB,Floppy Drive, for Dell PowerEdge

Type	Hardware Parts	Description
Keyboard	KYBD,104,US,SLTEK,LC,M	Standard Windows Keyboard,Grey
Power Supply	REDUNDANT PWR SPLY,WITH Y-CORD,125V,PE2600	Internal redundant power supply, 125V with Y-cord for PE2600
Mouse	LOGITEC SYSTEM MOUSE,GRAY,FACT	Logitec System Mouse, Grey, Servers
Operating system	WIN2003 SERVER,STANDARD EDITION,5 CAL	Windows Server 2003 Standard Edition 32-bit
Monitor	15 GRAY DELL E153FP,15.0VIS (LCD FLAT PANEL)	Monitor, 15" LCD Flat Panel
Ghost software	Symantec Ghost S/W License	Ghost software used to create a ghost image of your system.
Modem	**North America**: US Robotics 56K External Support Modem **International**: Multi-Tech 56K External Support Modem	You can use any 56 K external modem
UPS	**North American**: 1000VA (670 Watt) UPS 120 Volts Input/Output. Plug type NEMA 5-15P **International**: 1000VA (670 Watt) UPS 230 Volts Input/Output. Plug type IEC 320 C14. **Japanese**: 1000VA (670 Watt) UPS 100 Volts Input/Output. Plug type NEMA 5-15R.	Type of UPS and plug is dependent on your regions power supply voltage.
SCSI Card Driver	*** Adaptec 39u160 version 6.1.6300.100A14	Driver compatible with Creo Output Devices. Update from Device Manager
Serial Port Driver	*** Digi Acceleport version 4.0.229.2	Digi Acceleport Driver 3.3v PCI

Summary of Required Hardware Specifications for the Creo Performance Workflow Server Computer

The following table lists the minimum required hardware components, device drivers, and serial port drivers that Creo uses to build a Creo Performance workflow server computer:

*** Ensure that you install the specific part and version as it is required in order to properly run Prinergy Evo.

Type	Hardware Parts	Description
Base Unit	PE700,3.2GHZ,512K,P4,800FSB	PowerEdge 700, 3.2GHz, 512K Cache, P4, 800FSB
Memory	1GB DDR,400MHZ,2X512,PE7X0	1GB DDR,400MHZ,2x512, PowerEdge 7X0
Hard drive	80GB 7.2K SATA HDD, PRIMARY	80GB 7.2K SATA HDD, Primary (340-9834)
NIC	ON-BOARD NIC 10/100/1000 GB	On board Network Adapter
CD-ROM and DVD-ROM drive	DVD-ROM,4.7GB,INTERNAL	DVD-ROM,4.7GB,INTERNAL
Floppy disk drive	1.44MB,3.5 IN,INT FDD,PE700	Info SKU required to denote 1.44MB,3.5 IN,INT FDD,PE700
Operating system	WIN2003 SERVER,STANDARD EDITION,5 CAL	Windows Server 2003 Standard Edition, 5 Client Access Licenses, English for PowerEdge
Mouse	LOGITEC SYSTEM MOUSE,GRAY	LOGITEC SYSTEM MOUSE,GRAY
Keyboard	KYBD,104,US,NMB,LC,MG	Keyboard,104 Key,US,NMB,LC, ,MG
Monitor	17 GRAY DELL E773S,16.0 VIS	17” Monitor, Gray
Ghost software	Symantec Ghost S/W License	Ghost software used to create a ghost image of your system.
Modem	**North America**: US Robotics 56K External Support Modem **International**: Multi-Tech 56K External Support Modem	You can use any 56 K external modem
SCSI Card Controller	*** Adaptec 39u160 version 3.10	Fixed BIOS for Output Device Connectivity
SCSI Card Controller	*** Adaptec 2944 version 2.20	Fixed BIOS for Output Device Connectivity
SCSI Card Driver	*** Adaptec 39u160 version 6.1.6300.100A14	Driver compatible with Creo Output Devices. Update from Device Manager
Serial Port Driver	*** Digi Accelepor version 4.0.229.2	Digi Acceleport Driver 3.3v PCI

Recommended and Optional Hardware Components and Drivers

Creo Premium Workflow Server Specifications	Creo Performance Workflow Server Specifications
Hardware	Hardware
Firmware	Firmware
Drivers	Drivers
Software	Software

Prinergy Evo Dell Hardware

Complete Prinergy Evo systems are built from a collect of Dell hardware, other third-party hardware, firmware, drivers, and software, and Creo software. The following tables list all required the hardware, firmware, drivers, and software specifications ithat Creo may use, based on the required configuration, to build n both the Creo Performance Premium workflow Prinergy Evo server computer and the Creo Performance Premiumworkflow Prinergy Evo server computer, on which Prinergy Evo systems are installed.

Use these tables as a bench markguide from which to build a server computer on which you can install a Prinergy Evo systemto make sure that your server computer will be able to support a Prinergy Evo server computer.

Or, in order to purchase the correct hardware, firmware, drivers, and software parts.

Creo Premium Prinergy Evo Workflow Server Specifications

Creo Premium workflow server specifications have been qualified for optimal performance with Prinergy Evo system software.

Hardware Specifications

Creo part number: 015-00366A-02 – Creo Premium Workflow Server

Note: The part numbers listed are Canadian part numbers and may not be the same for the country from which you order. Creo suggests, if ordering the same hardware parts from Dell Inc., make sure you reference them as the Canadian part number. For more information on Dell hardware parts and service, see http://www.dell.com/.

Type	Canadian Dell Part number www.dell.com	Hardware Parts	Description
Base unit	221-2740	PE2600 3.06GHZ/512K/533 XEON	PowerEdge 2600 3.06GHz/512K 533MHz FSB Xeon
Processor	311-2823	2ND PROC 3.06GHZ/512K/533 XEON,2600	2nd Processor 3.06GHz/512K 533MHz FSB Xeon, PowerEdge 2600
Memory	311-2732	2X 1GB DDR SDRAM 266MHZ (2X512) (2GB TOTAL)	1GB DDR SDRAM 266MHZ (2X512) PowerEdge
Hard drive	340-6863	36GB,U320,SCSI,1IN 10K	36GB, 10K RPM, Ultra 320 SCSI Hard Drive
Backplane	311-1839	1X6 BACKPLANE,PE2600	1X6 Backplane, PE2600

Type	Canadian Dell Part number www.dell.com	Hardware Parts	Description
Additional Storage Products	340-7320	2X36GB,U320,SCSI,10K W/CAGETWR	2X36GB,U320,SCSI, with 1x2 media bay (backplane)
Controller options	340-2191	39160 ULTRA3 SCSI LVD CTRL,FACT	Controller Card,SCSI,39160, Internal/External,U3,Low Voltage Differential
Option 2	310-1720	TOWER CHASSIS,P2600	Tower Chassis Orientation,P2600
Hard drive controller	340-6467	PERC4/DI 128MB (2 INTERNAL CHANNELS)	PERC4/Di, 128MB (2 Internal RAID Channels)
CD-ROM or DVD ROM drive	313-1351	DVD,4.7G,I,INT	DVD,4.7G,I,Internal,NN
Floppy disk drive	340-2557	3.5 IN,1.44MB,FD	3.5 in,1.44MB,Floppy Drive, for Dell PowerEdge
Keyboard	310-1676	KYBD,104,US,SLTEK,LC,M	Standard Windows Keyboard,Gray
Power Supply	310-1726	REDUNDANT PWR SPLY,WITH Y-CORD,125V,PE2600	Internal redundant power supply, 125V with Y-cord for PE2600
Mouse	310-3776	LOGITEC SYSTEM MOUSE,GRAY,FACT	Logitec System Mouse,Gray, Servers
Operating system	420-2965	WIN2003 SERVER,STANDARD EDITION,5 CAL	Windows Server 2003 Standard Edition 32-bit
Monitor	320-3906	15 GRAY DELL E153FP,15.0VIS (LCD FLAT PANEL)	Monitor, 15” LCD Flat Panel

Parts ordered through a distribution channel

Type	Hardware Parts	Description
Ghost software	Symantec Ghost S/W License	Ghost software used to create a ghost image of your system.
Modem	**North America**: US Robotics 56K External Support Modem **International**: Multi-Tech 56K External Support Modem	You can use any 56 K external modem
Power supplyUPS	**North American**: 1000VA (670 Watt) UPS 120 Volts Input/Output. Plug type NEMA 5-15P **International**: 1000VA (670 Watt) UPS 230 Volts Input/Output. Plug type IEC 320 C14. **Japanese**: 1000VA (670 Watt) UPS 100 Volts Input/Output. Plug type NEMA 5-15R.	UPS power supply. Type of UPS and plug is dependent upon your regions power supply voltage.

Firmware Specifications

Motherboards

Class	Object	Version Number	Description	Related Hardware Component	Based on Base Configuration - Optional or Required
PE2600	Motherboard	Latest	BIOS for the PE2600 motherboard	Motherboard	Required
PE2600	Motherboard	Latest	Embedded Server Management Firmware	Motherboard	Required

RAID

Class	Object	Version Number	Description	Related Hardware Component	Based on Base Configuration - Optional or Required
PE2600	Perc 4/Di	Latest	Perc4/Di LSI Firmware	Internal RAID disk	Required

SCSI Controllers

Class	Object	Version Number	Description	Related Hardware Component	Based on Base Configuration - Optional or Required
Adaptec	39u160	3.10	Fixed BIOS for Output Device Connectivity	Output device, external RAID, or library tape drive	RequiredEssential if connecting to a Creo output device
Adaptec	2944	2.20	Fixed BIOS for Output Device Connectivity	Output device, external RAID, or library tape drive	Essential if connecting to a Creo output deviceRequired

Tape Drive

Class	Object	Version Number	Description	Related Hardware Component	Based on Base Configuration - Optional or Required
Adic	FastStor7	119	Firmware for FastStor 7 Libraries	Tape drive	Optional
Adic	FastStor22	133	Firmware for FastStor 22 Libraries	Tape drive	Optional

Fiber Channels

Class	Object	Version Number	Description	Related Hardware Component	Based on Base Configuration - Optional or Required
Emulex	LP8000	3.20x4Latest	Firmware for LP8000 Controller for Clariion Fiber RAID	External RAID	Optional

Driver Specifications

* Use the default driver that comes with the Windows Server 2003 operating system.

* * Not applicable for Windows Server 2003 operating systems.

Motherboard | SCSI Cards | Serial Ports | Network Cards | RAIDs | Video Cards | Tapes | Fiber Channels

Motherboard Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Dell Motherboard *	Backplane	Latest	Backplane driver for some Dell Servers. Update from Device Manager	Motherboard	Yes	No, comes with the Windows Server 2003 operating system
PE2600 **	Motherboard	Latest	Intel E7500 Chipset. Update from Device Manager	Motherboard	Yes	No – not applicable

SCSI Card Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Adaptec *	39u160	6.1.6300.100A14	Driver compatible with Creo Output Devices. Update from Device Manager	Output device, external RAID, or Library tape drive	YesEssential if connecting to a Creo output device	No, comes with the Windows Server 2003 operating system

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE2600 **	Onboard SCSI	1.08.04A02 Latest	LSI U320 onboard SCSI Controller for the PE 2600 motherboard. Update from Device Manager	Motherboard onboard SCSI card	Yes,	No – not applicable

Serial Port Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Digi *	Acceleport	4.0.229.2Latest	Digi Acceleport Driver 3.3v PCI	Computer-to-Plate output device	Essential if connecting to a Creo output deviceYes	No, comes with the Windows Server 2003 operating system

Network Card Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Intel	Pro 100/1000 Copper PCI	Latest	Intel Proo 100/1000 Copper/Optical PCI Driver. Update from Device Manager	Intel Pro, on board or optional PCI, 100BaseT or 1000BaseT. Copper or Optical.	Yes	Yes

RAID Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE2600	Perc4/Di	Latest	Perc4/Di driver. Update from Device Manager	Internal RAID disk	Yes	Yes

Video Card Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE2600 **	Video	Latest	Video driver. Run SETUP.EXE	Video card	Yes	No – not applicable

Modem Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
USR56K or MultiTechModemEquanox	SSTmodem software	Latest	Modem driver	modem	Yes	Yes

Tape Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Sony *	AIT 2/3	3009	AIT driver for drive as Standalone or Library. Update from Device Manager	Tape drive	Yes	No, come with the Windows Server 2003 operating system
DLT	4K / 7K / 8K	2.5	DLT driver for DLT4K / 7K / 8K Drives. Update from Device Manager	Tape drive	Yes	Yes
FastStor	FS7 or FS22	5.0.2195.1b	Driver for FastStor Libraries	Tape drive	Yes	Yes

Fiber Channel Drivers

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Emulex	LP8000 / 9002LE	Latest	Emulex Fibre channel driver for EMC Clariion. Update from Device Manager	External RAID	OptionalYes	OptionalYes
Qlogic	Fibre QL2200	Latest	Driver for the FC-AL QL2200 connecting to a Clariion. Update from Device Manager	External RAID	Yes	Yes

Third Party Application Specifications

* * Use the default software that comes with the Windows Server 2003 operating system.

Class	Object	Version Number	Description	Required for Windows 2000 Server	Required for Windows Server 2003
Adobe	Acrobat	5.1 or higher	Acrobat Reader	Yes	Yes
APC	PowerChute Business Edition	Latest	PowerChute Business Edition for APC UPS''s	Yes	Yes
Dell	OpenManage	Latest	Open Manage, Array Manager, Server Administrator **Important:** Do not install IT Assistant or Simple Network Management Protocol (SNMP)	Yes - only if ordering a Dell computer system	Yes - only if ordering a Dell computer system
Microsoft	LanaCfg	Latest	Lana Config. Used to set the Nic''s Lana back to 0. Prioritizes the network adpators, which makes network configurations more efficient	Yes	Yes
EMC	Navisphere	Latest	Clariion Navisphere for Fibre/SCSI external Raid monitor and control	Yes if Clariion Navisphere is attached to the Premium server computer	Yes if Clariion Navisphere is attached to the Premium server computer
Microsoft	Resource Kit	Windows 2000 Server	Microsoft Resource Tools included in standard Creo Ghost Images for Windows 2000 Server	Optional, but recommended.	Not Applicable
Microsoft	Resource Kit	Windows Server 2003	Microsoft Resource Tools included in standard Creo Ghost Images for Windows Server 2003	Not Applicable	Optional, but recommended.
Terminal Services	Terminal Services	Part of Windows operating system	Terminal Services	Yes	Yes
VNC	TightVNC	1.0	Remote Desktop Access utility	Yes	Yes
Anti Virus Software	Symantec Corporate	8.x or higher	Anti virus software to protect systems against worms and	Yes	Yes

Class	Object	Version Number	Description	Required for Windows 2000 Server	Required for Windows Server 2003
	Edition Antivirus		viruses		
Backup software	Windows NT Backup		Used to back up operating system configurations, which can then be stored onto tape or media	Optioanl	Optional

Creo Application Specifications

Class	Object	Version Number	Description	Required for Windows 2000 Server	Required for Windows Server 2003
Creo	RSS	latest	Remote Service Shell	Yes – is installed with Prienrgy Evo and Print Console software	Yes – is installed with Prienrgy Evo and Print Console software
Prinergy Evo	Prinergy Evo	1.1 and higher	Prinergy Evo software	Yes	Yes
Print Console	Print Console	Based on your output device firmware version. Contact your Creo service representative	Print Console device control software, controls the Creo family of Trendsetter devices.	Yes - if you are connecting to a Trendsetter family device	Yes - if you are connecting to a Trendsetter family device
CS Xpose	CS Xpose	2.0.64 or higher	CS Xpose device control software controls the Creo families of Lotem 800 II, Lotem Quantum, Lotem Quantum Spectrum, and Dolev 800 V devices.	Yes - if you are connecting to a Lotem 800 II, Lotem Quantum, Lotem Quantum Spectrum, or Dolev 800 V family device	Yes - if you are connecting to a Lotem 800 II, Lotem Quantum, Lotem Quantum Spectrum, or Dolev 800 V family device

Creo Performance Prinergy Evo Workflow Server Specifications

Hardware Specifications

Creo part number: 015-00366A-01– Creo Performance Workflow Server

Note: The part numbers listed are Canadian part numbers and may not be the same in the country from which you order. Creo suggests, if ordering the same parts from Dell Inc., make sure you reference them as the Canadian part number. For more information on Dell hardware parts and service, see http://www.dell.com/.

Type	Canadian Dell part number	Hardware Parts	Description
Base Unit	221-3589	PE700,3.2GHZ,512K,P4,800FSB	PowerEdge 700, 3.2GHz, 512K Cache, P4, 800FSB
Memory	310-8803	1GB DDR,400MHZ,2X512,PE7X0	1GB DDR,400MHZ,2x512, PowerEdge 7X0
Hard drive	340-9834	80GB 7.2K SATA HDD, PRIMARY	80GB 7.2K SATA HDD, Primary (340-9834)
NIC	430-0488	ON-BOARD NIC 10/100/1000 GB	On board Network Adapter
CD-ROM and DVD-ROM drive	340-9927	DVD-ROM,4.7GB,INTERNAL	DVD-ROM,4.7GB,INTERNAL
Floppy disk drive	341-0240	1.44MB,3.5 IN,INT FDD,PE700	Info SKU required to denote 1.44MB,3.5 IN,INT FDD,PE700
Operating system	420-4042	WIN2003 SERVER,STANDARD EDITION,5 CAL	Windows Server 2003 Standard Edition, 5 Client Access Licenses, English for PowerEdge
Mouse	320-1861	LOGITEC SYSTEM MOUSE,GRAY	LOGITEC SYSTEM MOUSE,GRAY
Keyboard	320-1862	KYBD,104,US,NMB,LC,MG	Keyboard,104 Key,US,NMB,LC, ,MG
Monitor	320-1583	17 GRAY DELL E773S,16.0 VIS	17” Monitor, Gray

Parts ordered through a distribution channel

Type	Hardware Parts	Description
Ghost software	Symantec Ghost S/W License	Ghost software used to create a ghost image of your system.
Modem	**North America**: US Robotics 56K External Support Modem **International**: Multi-Tech 56K External Support Modem	You can use any 56 K external modem

Firmware Specifications

Motherboard

Class	Object	Version Number	Description	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE700	Motherboard	LatestA01	BIOS for the PE700 motherboard	Motherboard	Yes	Yes

RAID

Class	Object	Version Number	Description	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE700	CERC SATA	Llatest	Firmware Adaptec Cerc SATA RAID controller	Internal RAID	Optional	Optional

SCSI Controller

Class	Object	Version Number	Description	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Adaptec	39u160	3.10	Fixed BIOS for Output Device Connectivity	Output device, external RAID, or library tape drive	Yes	Yes
Adaptec	2944	2.20	Fixed BIOS for Output Device Connectivity	Output device, external RAID, or library tape drive	Yes	Yes

Fiber Channel

Class	Object	Version Number	Description	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Emulex	LP8000	Latest3.20x4	Firmware for LP8000 Controller for Clariion	External RAID	Optional	Optional

Driver specifications

* Use the default driver that comes withwith the Windows Server 2003 operating system.

Motherboard | SCSI Cards | Serial Ports | Network Cards | RAIDs | Video Cards | Tapes | Fiber Channels

Motherboard

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE700	Motherboard	Latest	Chipset driver. Run Setup.exe	Motherboard	Yes	Yes

SCSI Card Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Adaptec *	39u160	6.1.6300.100 A14	Driver compatible with Creo Output Devices. Update from Device Manager	Output device, external RAID, or library tape drive	Yes	No – comes with the Windows Server 2003 operating system

Serial Port Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Digi *	Acceleport	Latest4.0.229 .2	Digi Acceleport Driver 3.3v PCI	CTP output device	Yes	No – comes with the Windows Server 2003 operating system

Network Card Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Intel	Pro 100/1000 Copper PCI	Latest	Intel Proo 100/1000 Copper/Optical PCI Driver. Update from Device Manager	Intel Pro, on board or optional PCI, 100BaseT or 1000BaseT. Copper or Optical.	Yes	Yes

RAID Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE700	CERC	Latest	Cerc6 RAID PCI controller	Spare RAID controller	Yes	Yes

Video Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
PE700	Video	Latest	Video driver. Run SETUP.EXE	Video Card	Yes	Yes

Modem Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
EquanoxU SR56K or MultiTech Modem	SSTmodem software	Latest	Modem driver	Modem	Yes	Yes

Tape Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Sony *	AIT 2/3	3009	AIT driver for drive as Standalone or Library. Update from Device Manager	Tape drive	Yes	No – comes with the Windows Server 2003 operating system
DLT	4K / 7K / 8K	2.5	DLT driver for DLT4K / 7K / 8K Drives. Update from Device Manager	Tape drive	Yes	Yes
FastStor	FS7 or FS22	5.0.2195.1b	Driver for FastStor Libraries	Tape drive	Yes	Yes

Fiber Channel Driver

Class	Object	Version Number	Description/Note	Related Hardware Component	Required for Windows 2000 Server	Required for Windows Server 2003
Emulex	LP8000 / 9002LE	Latest	Emulex Fibre channel driver for EMC Clariion. Update from Device Manager	External RAID	Optional Yes	OptionalYes
Qlogic	Fibre QL2200	Latest	Driver for the FC-AL QL2200 connecting to a Clariion. Update from Device Manager	External RAID	Yes	Yes

Third Party Application Specifications

* * Use the default software that comes with the Windows Server 2003 operating system.

Class	Object	Version Number	Description	Required for Windows 2000 Server	Required for Windows Server 2003
Adobe	Acrobat	5.1 or higher	Acrobat Reader	Yes	Yes
APC	PowerChute Business Edition	Latest	PowerChute Business Edition for APC UPS''s	Yes	Yes
Microsoft	LanaCfg	Latest	Lana Config. Used to set the	Yes	Yes

			Nic''s Lana back to 0. Makes network configurations more efficient		
Microsoft	Windows Operating System	2000 Server or Server 2003	Microsoft operating system	Yes	Yes
EMC	Navisphere	Latest	Clariion Navisphere for Fibre/SCSI Raid monitor and control	Yes if Clariion Navishphere is attached to the Performance server computer.	Yes if Clariion Navishphere is attached to the Performance server computer.
Microsoft	Resource Kit		Microsoft Resource Tools included in standard Creo Ghost Images for Windows 2000 Server	Yes	No – comes with the Windows Server 2003 operating systemNot Applicable
Terminal Services	Terminal Services	Comes with the Windows operating system	Terminal Services	Yes	Yes
VNC	TightVNC	1.0	Remote Desktop Access utility	Yes	Yes
Anti Virus Software	Symantec Corporate Edition Antivirus	v8.x or highter	Anti virus software to protect systems against worms and viruses	Yes	Yes
Backup software	Windows NT Backup		Used to back up operating system configurations, which can then be stored onto tape or media	Optional, but recommended that you have some sort or backup procedure.	Optional, but recommended that you have some sort or backup procedure.

Creo Application Specifications

Class	Object	Version Number	Description	Required for Windows 2000 Server	Required for Windows Server 2003
Creo	RSS	Latest	Remote Service Shell	Yes – is installed with Prienrgy Evo	Yes – is installed with Prienrgy Evo

				and Print Console software	and Print Console software
Prinergy Evo	Prinergy Evo	1.1 and higher	Prinergy Evo software	Yes	Yes
Print Console	Print Console		Print Console device control software, controls the Creo family of Trendsetter devices.	Yes - if you are connecting to a Trendsetter family device	Yes - if you are connecting to a Trendsetter family device
CS Xpose	CS Xpose	2.0.64 or higher	CS Xpose device control software controls the Creo families of Lotem 800 II, Lotem Quantum, Lotem Quantum Spectrum, and Dolev 800 V devices.	Yes - if you are connecting to a Lotem 800 II, Lotem Quantum, Lotem Quantum Spectrum, or Dolev 800 V family device	Yes - if you are connecting to a Lotem 800 II, Lotem Quantum, Lotem Quantum Spectrum, or Dolev 800 V family device

Optional Accessories

Type	Dell part number	Hardware Parts	Description
RAID	342-0056	CERC SATA	Serial ATA (SATA) RAID controller
PE700 SATA hard drive	340-9842	80GB,SATA,7.2K HDD	80GB SATA hard drive
PE700 SATA hard drive	340-9870	120GB,SATA,7.2K HDD	120GB SATA hard drive
2600 SATA SCSI hard drive	340-7915	146GB,U320,SCSI,1IN 10K	PE2600, 146GB SATA SCSI hard drive
2600 SATA SCSI hard drive	340-7483	73GB,HD,10K,80P,U320	PE2600, 73GB SATA SCSI hard drive
SCSI Controller	340-2192	CRD,ADPT,S,39160,U160,LVD	SCSI Controller for both Creo Premium and Performance workflow server computers
2600 Memory	311-3067	1GB DDR,266MHZ,2X512 DIMMS	1GB RAM for Creo Premium workflow server

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates, and proofs; professional color and copydot scanning systems; workflow management software; and proofing and printing consumables. Creo is also an original equipment manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers. Creo trades under the symbols CREO on NASDAQ and CRE on the Toronto Stock Exchange. www.creo.com

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