Overview

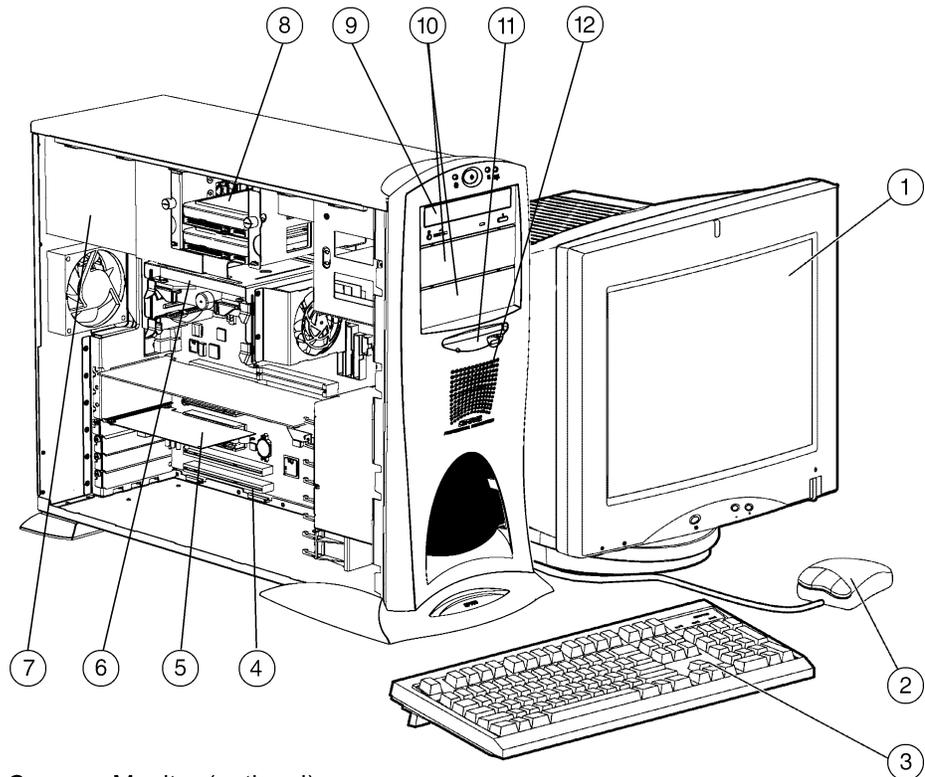### At A Glance

- Minitower form factor for increased expandability (rackmount option)
- Supports up to two Intel Pentium® III Xeon™ 1-GHz, 866-MHz, or 800-MHz processors (depending on model)
- Full-featured Intel 840 chipset with 133-MHz front side bus, dual memory channels, dual-peer PCI buses, and 64-bit PCI
- 256-KB L2 cache integrated on processor
- ECC RDRAM, expandable to 4 GB
- High-performance Ultra3 (Ultra 160) SCSI 10,000 rpm or optional 15,000 rpm Hard Drives
- Integrated dual channel Ultra3 (Ultra 160) SCSI and Ultra ATA/66
- Up to 288 GB of high-performance internal storage
- Integrated Intel PRO/100+ Management Adapter
- Seven total slots (six available, two 64-bit/66-MHz PCI, four 32-bit/33-MHz PCI, one AGP Pro 4X)
- Seven bays (four available)
- 40X Max or 48X Max CD-ROM Drive or DVD-ROM (depending on model) and Compaq *Premier•Sound*™ Audio
- Choice of Intense3D Wildcat 4210 PRO, ELSA GLoria II, NVIDIA Quadro2 MXR, NVIDIA Quadro2 Pro, ELSA Synergy II, Matrox Millennium G450, Compaq NVIDIA TNT2 Pro, or Matrox G200 Quad MMS graphics controllers
- Multiple monitor support (select graphics controllers)
- Rack-mountable via optional conversion kit
- Windows® NT Workstation or Windows 2000 Professional (depending on model) and Compaq support software pre-installed
- Intelligent Manageability Features
- Protected by Compaq Services, including a three-year, limited warranty — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. Three-year, on-site and labor not available in all countries.

1. Compaq Monitor (optional)
2. 3-button Mouse
3. Compaq Keyboard
4. Expansion Slots
5. Graphics Board
6. Processor
7. 425-Watt Power Supply
8. Internal Drive Bays
9. CD-ROM Drive or DVD-ROM Drive
10. 5.25-inch Drive Bays (available)
11. 1.44-MB Diskette Drive
12. Speaker

COMPAQ

Standard Features - Pre-configured Models

Models	**Compaq Professional Workstation SP750**	
	Available in multiple configurations	
	Not all configurations available in all countries	
	Check with your Authorized Compaq Reseller or Compaq.	

Processor	Intel Pentium III Xeon 1 GHz
	Intel Pentium III Xeon 866 MHz
One of the following:	Intel Pentium III Xeon 800 MHz

Cache Memory	256-KB integrated, full-speed level 2 cache per processor

Upgradability	Upgradable to dual processing

Memory	Standard	1 GB of 800-MHz ECC RDRAM
One of the following:	Standard	512 MB of 800-MHz ECC RDRAM
	Standard	256 MB of 800-MHz ECC RDRAM
	Standard	128 MB of 800-MHz ECC RDRAM
	Maximum	4 GB

Network Controller	Integrated Intel PRO/100+ Management Adapter

Expansion Slots	I/O (Total)	7, up to 6 available
	64-bit/66-MHz PCI	2, up to 2 available depending on model
	32-bit/33-MHz PCI	4, 4
	AGP Pro 4X	1, up to 1 available depending on model

Storage Controller	Integrated Dual Channel Ultra3 (Ultra 160) SCSI and Ultra ATA/66

Storage	Diskette Drives	1.44 MB
	CD-ROM	40X Max or 48X Max CD-ROM Drive or 10X/40X DVD-ROM Drive
	Hard Drives	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm hard drive
		9.1-GB Ultra3 (Ultra 160) SCSI 10,000 rpm hard drive

Interfaces	Parallel	1
	USB	2
	Serial	2
	Ultra3 (Ultra 160) SCSI	3 (Two 68-pin internal, One 68-pin external)
	Ultra ATA/66	2
	Keyboard (PS/2)	1
	Pointing Device (PS/2 mouse)	1
	Video	1
	Microphone Jack	1
	Headphone Jack	1
	Line-In	1
	Line-Out	1
	RJ-45	1

Standard Features - Pre-configured Models

Graphics *One of the following:*	Intense 3D Wildcat 4210 (AGP Pro 110/PCI, covers additional PCI slot due to size) ELSA GLoria II Graphics Controller (AGP) ELSA Synergy II Graphics Controller (AGP) NVIDIA Quadro2 MXR (AGP) NVIDIA Quadro2 Pro (AGP) Matrox Millennium G450 Graphics Controller (AGP or PCI) Matrox G200 Quad Multi-monitor Series (next-generation 4-display support from a single PCI slot) Compaq NVIDIA TNT2 Pro (AGP)
Audio	Compaq *Premier•Sound* featuring AC'97 Audio Integrated speaker
Software	Microsoft® Windows NT Workstation 4.0 or Windows 2000 Professional (depending on model, dual install on 1-GHz models) Microsoft Service Pack 6a on Windows NT 4.0 Microsoft Service Pack 1 for Windows Professional 2000 Compaq Restore CD Compaq Management Agents Compaq PC Diagnostics via the Web ROM-based Setup Diagnostics for Windows 2000 and Windows NT Microsoft Internet Explorer System Software Manager via the Web Altiris eXpress (on 1-GHz and 866-MHz models)

Intelligent Manageability	AssetControl
	Alert on LAN (AoL) hardware ready
	Wake on LAN (WoL)
	Fault Management
	Security Management
	Remote Management
	    Remote Wakeup via Magic Packet Support
	    Remote ROM Flash
	    Remote Security
	    Remote Shut Down
	Pre-Failure Warranty (processors, hard drives and memory)
	Bios Features
	    Advanced Configuration and Power Interface (ACPI) 1.0b
	    Advanced Power Management (APM) 1.2
	    Desktop Management Interface (DMI) 2.1
	    System Management (SM) Bios 2.3

Security	Diskette write and boot control Flash ROM lock Keyboard password Network server mode Parallel interface control Power-on password Serial interface control Setup password Cable lock provision
Power Supply	425 Watts, with Power Factor Correction (PFC)
Service and Support	Protected by Compaq Services, including a three-year, limited warranty with three-year parts coverage, three-year, on-site service, and three year labor; 7 x 24 hardware technical phone support and on-line support through the Internet; Pre-Failure Warranty coverage of hard drives, memory, and processors Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. Three-year, on-site and labor not available in all countries.

QuickSpecs

Compaq *Professional Workstation* SP750

Standard Features - Pre-configured Models

P750/1.0/18S/256/2+C	Processor	Intel Pentium III Xeon 1 GHz
470005-xxx	Cache Memory	256-KB integrated L2
	Memory	256-MB 800-MHz ECC RDRAM
	Optical Drive	48X Max CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	ELSA Synergy II
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

P750/1.0/18S/256/XC	Processor	Intel Pentium III Xeon 1 GHz
470005-xxx and graphics option	Cache Memory	256-KB integrated L2
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	Memory	256-MB 800-MHz ECC RDRAM
	Optical Drive	48X Max CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

QuickSpecs

Compaq *Professional Workstation* SP750

Standard Features - Pre-configured Models

P750/1.0/18S/256/XD	Processor	Intel Pentium III Xeon 1 GHz
470005-xxx and graphics option	**Cache Memory**	256-KB integrated L2
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	**Memory**	256-MB 800-MHz ECC RDRAM
	Optical Drive	10X/40X DVD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

P750/1.0/18S/512/2+C	Processor	Intel Pentium III Xeon 1 GHz
470005-xxx	**Cache Memory**	256-KB integrated L2
	Memory	512-MB 800-MHz ECC RDRAM
	Optical Drive	48X Max CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	ELSA Synergy II
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

P750/1.0/18S/512/3MD	Processor	Intel Pentium III Xeon 1 GHz
470005-xxx	**Cache Memory**	256-KB integrated L2
	Memory	512-MB 800-MHz ECC RDRAM
	Optical Drive	10X/40X DVD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	ELSA GLoria II
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

Standard Features - Pre-configured Models

P750/1.0+/18S/512/XC		
470005-xxx and graphics option	**Processor**	Dual Intel Pentium III Xeon 1 GHz
	Cache Memory	256-KB integrated L2
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	**Memory**	512-MB 800-MHz ECC RDRAM
	Optical Drive	48X CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

P750/1.0/18S/512/XD		
470005-xxx and graphics option	**Processor**	Intel Pentium III Xeon 1 GHz
	Cache Memory	256-KB integrated L2
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	**Memory**	512-MB 800-MHz ECC RDRAM
	Optical Drive	10X/40X DVD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

Standard Features - Pre-configured Models

P750/1.0/18S/512/XC		
470005-xxx and graphics option	**Processor**	Intel Pentium III Xeon 1 GHz
	Cache Memory	256-KB integrated L2
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	**Memory**	512-MB 800-MHz ECC RDRAM
	Optical Drive	48X CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

P750/1.0+/18S+/1.0/XC		
470005-xxx and graphics option	**Processor**	Dual Intel Pentium III Xeon 1 GHz
	Cache Memory	256-KB integrated L2
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	**Memory**	1-GB 800-MHz ECC RDRAM
	Optical Drive	48X CD-ROM Drive
	Hard Drive	Dual 18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000/Windows NT (dual install)

75M/866X/128R8/9L/2+		
175864-xx2	**Processor**	Intel Pentium III Xeon 866 MHz
	Cache Memory	256-KB integrated L2
	Memory	128-MB 800-MHz ECC RDRAM
	Optical Drive	40X Max CD-ROM Drive
	Hard Drive	9.1-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	ELSA Synergy II
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows NT Workstation 4.0

QuickSpecs

Compaq *Professional Workstation* SP750

Standard Features - Pre-configured Models

75M/866X/256R8/18L/X/W		
175864-xx3 and graphics option	**Processor**	Intel Pentium III Xeon 866 MHz
(Note: Matrox G200 unavailable for Windows 2000 with Chinese, Taiwanese, and Korean languages)	**Cache Memory**	256-KB integrated L2
	Memory	256-MB 800-MHz ECC RDRAM
	Optical Drive	40X Max CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21) (see note)
		Matrox G200 Quad MMS with DVI cables (179597-B21) (see note)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows 2000 Professional

75M/866X/256R8/18L/X		
175864-xx5 and graphics option	**Processor**	Intel Pentium III Xeon 866 MHz
	Cache Memory	256-KB integrated L2
	Memory	256-MB 800-MHz ECC RDRAM
	Optical Drive	40X Max CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21)
		Matrox G200 Quad MMS with DVI cables (179597-B21)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		NVIDIA Quadro2 Pro (225339-B21)
		NVIDIA Quadro2 MXR (221412-B21)
		Matrox Millennium G450 (AGP) (202389-B21)
		Matrox Millennium G450 (PCI) (202390-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows NT Workstation 4.0

75M/866X/256R8/18L/3M		
175864-xx6	**Processor**	Intel Pentium III Xeon 866 MHz
	Cache Memory	256-KB integrated L2
	Memory	256-MB 800-MHz ECC RDRAM
	Optical Drive	40X Max CD-ROM Drive
	Hard Drive	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	ELSA GLoria II
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows NT Workstation 4.0

QuickSpecs

Standard Features - Pre-configured Models

75M/800X/128R/9L/2+		
164498-xx2	**Processor**	Intel Pentium III Xeon 800 MHz
	Cache Memory	256-KB integrated L2
	Memory	128-MB 800-MHz ECC RDRAM
	Optical Drive	40X Max CD-ROM Drive
	Hard Drive	9.1-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	ELSA Synergy II
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows NT Workstation 4.0

75M/800X/256R/9L/X		
164498-xx5 and graphics option	**Processor**	Intel Pentium III Xeon 800 MHz
	Cache Memory	256-KB integrated L2
	Memory	256-MB 800-MHz ECC RDRAM
	Optical Drive	40X Max CD-ROM Drive
	Hard Drive	9.1-GB Ultra3 (Ultra 160) SCSI 10,000 rpm
	Graphics	Choice of Graphics Option:
		Matrox G200 Quad MMS with analog cables (159513-B21)
		Matrox G200 Quad MMS with DVI cables (179597-B21)
		Compaq NVIDIA TNT2 Pro (189998-B21)
		ELSA GLoria II (174566-B21)
		ELSA Synergy II (103382-B21)
		Intense3D Wildcat 4210 (202391-B21)
	Audio	AC97 with Compaq *Premier•Sound*
	OS	Windows NT Workstation 4.0

Standard Features – Custom Configuration Models

Processor	Intel Pentium III Xeon 1 GHz	
	Intel Pentium III Xeon 866 MHz	
	Intel Pentium III Xeon 800 MHz	
Cache Memory	256-KB integrated, full-speed Level 2 cache per processor	
Upgradability	Upgradable to dual processor	
Memory	Maximum	4 GB of 800 or 600-MHz ECC RDRAM
Network Controller	Integrated Intel PRO/100+ Management Adapter	
Expansion Slots	I/O (Total)	7
	64-bit/66-MHz PCI	2
	32-bit/33-MHz PCI	4
	AGP Pro 4X	1
Storage Controller	Integrated Ultra3 (Ultra 160) SCSI and Ultra ATA/66	
Storage	Diskette Drives	1.44 MB
	ROM	48X Max CD-ROM Drive
		10X/40X DVD-ROM Drive
	Hard Drives	72-GB, 36.4-GB, 18.2-GB, or 9.1-GB Ultra3 (Ultra160) SCSI (10,000 rpm)
		18.2-GB Ultra3 (Ultra160) SCSI (15,000 rpm)
		40-GB, 30-GB, or 20-GB Ultra ATA (7200 rpm)
	Removable Storage	8X/4X/32X CD-RW Drive
		4.7-GB DVD-RAM Drive
Interfaces	Parallel	1
	USB	2
	Serial	2
	Ultra3 (Ultra 160) SCSI	3 (Two 68-pin internal, One 68-pin external)
	Ultra ATA/66	2
	Keyboard (PS/2)	1
	Pointing Device (PS/2 mouse)	1
	Video	1
	Microphone Jack	1
	Headphone Jack	1
	Line-In	1
	Line-Out	1
	RJ-45	1

Standard Features – Custom Configuration Models

Graphics	Intense3D Wildcat 4210 (AGP Pro 110/PCI, covers a second PCI slot due to size) Compaq NVIDIA TNT2 Pro (AGP) NVIDIA Quadro2 Pro (AGP) NVIDIA Quadro2 MXR (AGP) ELSA GLoria II (AGP) ELSA Synergy II (AGP) Matrox Millennium G450 (AGP or PCI) Matrox G200 Quad Multi-monitor Series (PCI)
Audio	Compaq *Premier•Sound*™ featuring AC'97 Audio, integrated speaker
Software	Microsoft Windows NT Workstation 4.0 or Windows 2000 Microsoft Service Pack 6a for Windows NT 4.0 Microsoft Service Pack 1 for Windows Professional 2000 Compaq Restore CD Compaq Management Agents Compaq PC Diagnostics via the Web ROM-based Setup Diagnostics for Windows 2000 and Windows NT Microsoft Internet Explorer System Software Manager via the Web Altiris eXpress (1-GHz and 866-MHz models)

Intelligent Manageability	Asset Control
	Alert on LAN (AoL) hardware ready
	Wake on LAN (WoL)
	Fault Management
	Lite Console
	Security Management
	Remote Management
	    Remote Wakeup via Magic Packet Support
	    Remote ROM Flash
	    Remote Security
	    Remote Shut Down
	Pre-Failure Warranty (processors, hard drives and memory)
	Bios Features
	    Advanced Configuration and Power Interface (ACPI) 1.0b
	    Advanced Power Management (APM) 1.2
	    Desktop Management Interface (DMI) 2.1
	    System Management (SM) Bios 2.3

Security	Diskette write and boot control Flash ROM lock Keyboard password Network server mode Parallel interface control Power-on password Serial interface control Setup password Cable lock provision
Power Supply	425-Watt Power Supply
Service and Support	Protected by Compaq Services including a three-year, limited warranty with three-year parts coverage, three-year, on-site service, and three-year labor; 7 x 24 hardware technical phone support and on-line support through the Internet; Pre-Failure Warranty coverage of hard drives, memory, and processors. **Note**: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. Three-year on-site and labor not available in all countries.

QuickSpecs

Options

Processor	Intel Pentium III Xeon 1-GHz/256K Processor	201056-B21
	Intel Pentium III Xeon 866/256K Processor	176797-B21
	Intel Pentium III Xeon 800/256K Processor	174887-B21
	Intel Pentium III Xeon 733/256K Processor	153016-B21

Note: When adding an additional processor, both processors must have the same speed and cache size.

Memory (RDRAM)	512-MB Memory Module (800-MHz ECC)	103996-B21
	256-MB Memory Module (800-MHz ECC)	157341-B21
	128-MB Memory Module (800-MHz ECC)	157338-B21
	64-MB Memory Module (800-MHz ECC)	157335-B21
	256-MB Memory Module (600-MHz ECC)	157339-B21
	128-MB Memory Module (600-MHz ECC)	157336-B21
	64-MB Memory Module (600-MHz ECC)	157333-B21

Note: Memory must be installed in like pairs. Option kits contain one memory module.

Monitors	TFT8020 Flat Panel Color (18-inch, Opal)	326100-xxx
	TFT8020 Flat Panel Color (18-inch, Carbon)	159244-xxx
	TFT7000 Flat Panel Color (17-inch) (not available in NA)	136143-xxx
	TFT5010 Flat Panel Color (15-inch) (Opal)	104741-xxx
	TFT5010 Flat Panel Color (15-inch) (Carbon)	154486-xxx
	P1100 CRT (21-inch)	325606-xxx
	P900 CRT (19-inch)	386326-xxx
	P700 CRT (17-inch)	380207-xxx
	V1100 CRT (21-inch)	386472-xxx
	V710 CRT (17-inch)	187895-xxx

Note: AssetControl monitor. AssetControl features are accessible with Compaq Workstations featuring Intelligent Manageability.

Graphics	Matrox Millennium G450 (PCI)	202390-B21
	Matrox Millennium G450 (AGP)	202389-B21
	NVIDIA Quadro2 MXR (AGP)	221412-B21
	Compaq NVIDIA TNT2 Pro (AGP)	189998-B21
	NVIDIA Quadro2 Pro (AGP)	225339-B21
	Matrox G200 Quad Multi-monitor Series with cables for analog output (PCI)	159513-B21
	Matrox G200 Quad Multi-monitor Series with cables for DVI output (PCI)	179597-B21
	Matrox G200 Quad MMS DVI Upgrade Cable Kit (for option kit 159513-B21)	170840-B21
	ELSA GLoria II (AGP)	174566-B21
	ELSA Synergy II (AGP)	103382-B21
	Intense3D Wildcat 4210 (AGP Pro 110/PCI, covers second PCI slot due to size)	202391-B21

Diskette Drives	100-MB ATAPI ZIP	294402-B21
	250-MB ATAPI ZIP	294416-B21

Options

Hard Drives	*Ultra3 (Ultra160) SCSI Drives*	
	72-GB Ultra3 (Ultra 160) SCSI 10,000 rpm (1.6 in/40.64 mm)	201735-B21
	36.4-GB Ultra3 (Ultra 160) SCSI 10,000 rpm	191189-B21
	18.2-GB Ultra3 (Ultra 160) SCSI 15,000 rpm	191188-B21
	18.2-GB Ultra3 (Ultra 160) SCSI 10,000 rpm	159764-B21
	9.1-GB Ultra3 (Ultra 160) SCSI 10,000 rpm	159763-B21
	Ultra ATA Drives	
	40-GB Ultra ATA 7200 rpm Quiet Seek and Quiet Idle	201066-B21
	30-GB Ultra ATA 7200 rpm Quiet Seek and Quiet Idle	178252-B21
	20-GB Ultra ATA7200 rpm Quiet Seek (outside EMEA)	176272-B21
	20-GB Ultra ATA 7200 rpm Quiet Seek and Quiet Idle (EMEA only)	176275-021
Storage Controllers	Adaptec 29160N Ultra 160 (U3) Single Channel SCSI Controller	157810-B21
Tape Drives	TR5 10/20-GB	294243-B21
	AIT 35/70-GB Internal	388504-B21
	20/40-GB DAT Drive	157769-B21
Biometrics	Compaq Fingerprint Identification Technology	294307-001
Multimedia	ACS233 External Speakers	203622-xxx
	ACS21 External Speakers (enhanced system with subwoofer)	194839-xxx
	Premier•Sound PS330 Speaker System (high-end system with subwoofer)	160992-xx1
	10X/40X DVD-ROM (without MPEG2 decoder)	294414-B21
	12X/8X/32X CD-RW Drive (Opal)	217638-B21
	4.7-GB DVD-RAM Drive	294415-B21
	4.7-GB DVD-RAM Drive Media Kit	211082-B21
Communications	Intel PRO/100+ Management Adapter	127453-B21
	Compaq NC3123 Fast Ethernet NIC PCI 10/100 WoL	174830-B21
	Compaq NC3122 Fast Ethernet NIC PCI Dual 10/100	317450-B21
	Compaq NC3134: 64 PCI, Dual Base 10/100 WoL	138603-B21
	Compaq NC3135: 10/100 Dual Upgrade Module (for NC3134)	138604-B21
	Compaq NC6134 Gbit NIC 64 PCI 1000SX	174818-B21
	V.90 PCI Modem (available in North America)	174537-B21
Uninterruptible Power Systems	Compaq Tower UPS Model T2000 (low voltage)	242688-005
	Compaq Tower UPS Model T2400h (high voltage, not available in North America)	242688-006
	Compaq Tower UPS Model T1500 (low voltage)	242688-003
	Compaq Tower UPS Model T1500h (high voltage, not available in North America)	242688-004
	Compaq Tower UPS Model T1000 (low voltage)	242688-001
	Compaq Tower UPS Model T1000h (high voltage, not available in North America)	242688-002
	Compaq Tower UPS Model T700 (low voltage)	295372-B21
	Compaq Tower UPS Model T700h (high voltage, not available in North America)	295372-B22

Options

Other		
	Compaq Mouse (3-Button)	269192-B22
	Compaq Spaceball 4000 3D Motion Control Input Device	112138-B21
	Compaq Scroll Mouse	170299-B21
	Easy Access Keyboard	122660-xx6
	Compaq Smart Card Keyboard	115506-xx6
	Rack Conversion Kit	338544-B22
	35/70-GB DLT Cartridge (7 pack)	295192-B21
	35/70-GB DLT Cartridge (1 pack)	295194-B21
	DLT Cleaning Cartridge	199704-001
	5 Device LVD/SE Cable Kit	401707-B21
	External SCSI Adapter 68/50 Pin	270187-B21
	Rack Mount Conversion Kit	338544-B21
	Rack Mount Conversion Kit, fixed Rails	303606-B21
	Sliding Shelf Kit	332564-B21
	Depth Adjustable Rails	332558-B21

Support Software CD		
	Annual Subscription	183426-xxx
	Single CD-ROM (current month)	272505-001

QuickSpecs

Compaq *Professional Workstation* SP750

Memory

Compaq Professional Workstation SP750 (128 MB)

STANDARD MEMORY

128-MB of 800-MHz ECC RDRAM standard.

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 3200 MB of 600-MHz or 800-MHz ECC RDRAM is available with the installation of optional Memory Kits. Memory must be installed in like pairs. Mixing memory speeds will cause the system to operate at the lower speed.

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4 GB 600-MHz or 800-MHz ECC RDRAM is available with the removal of the standard 64-MB RDRAM modules and the installation of optional RDRAM Kits. Memory must be installed in like pairs. Mixing memory speeds will cause the system to operate at the lower speed.

Note: This chart does not represent all possible memory configurations. Memory must be installed in like pairs. Option kits contain one memory module. Mixing memory speeds will cause the system to operate at the lower speed.

Memory		Channel A		Channel B		Channel A		Channel B	
		2	4	1	3	6	8	5	7
Standard	128	CRIMM	64 MB	CRIMM	64 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	384	128 MB	64 MB	128 MB	64 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	640	256 MB	64 MB	256 MB	64 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	1152	256 MB	64 MB	256 MB	64 MB	256 MB	CRIMM	256 MB	CRIMM
Optional	1664	256 MB	64 MB	256 MB	64 MB	256 MB	256 MB	256 MB	256 MB
Optional	3200	512 MB	64 MB	512 MB	64 MB	512 MB	512 MB	512 MB	512 MB
Maximum	2048	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
Maximum	4096	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB

Following are memory options available from Compaq:

- 512-MB Memory Kit (RDRAM RIMM, 800 MHz)   103996-B21
- 256-MB Memory Kit (RDRAM RIMM, 800 MHz)   157341-B21
- 128-MB Memory Kit (RDRAM RIMM, 800 MHz)   157338-B21
- 64-MB Memory Kit (RDRAM RIMM, 800 MHz)   157335-B21
- 256-MB Memory Kit (RDRAM RIMM, 600 MHz)   157339-B21
- 128-MB Memory Kit (RDRAM RIMM, 600 MHz)   157336-B21
- 64-MB Memory Kit (RDRAM RIMM, 600 MHz)   157333-B21

DA-10440   World Wide — Version 21 — July 20, 2001   15

QuickSpecs

Compaq *Professional Workstation* SP750

Memory

Compaq Professional Workstation SP750 with 256 MB

STANDARD MEMORY

256-MB of 800-MHz ECC RDRAM standard.

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 3328 MB of 800-MHz ECC RDRAM is available with the installation of optional Memory Kits. Memory must be installed in like pairs.

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4 GB of 600-MHz or 800-MHz ECC RDRAM is available with the removal of the two standard 128-MB RDRAM modules and the installation of optional RDRAM Kits. Memory must be installed in like pairs. Mixing memory speeds will cause the system to operate at the lower speed.

Note: These charts do not represent all possible memory configurations. Memory must be installed in like pairs. Option kits contain one memory module. Mixing memory speeds will cause the system to operate at the lower speed.

Memory		Channel A		Channel B		Channel A		Channel B	
		2	4	1	3	6	8	5	7
Standard	256	CRIMM	128 MB	CRIMM	128 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	512	128 MB	128 MB	128 MB	128 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	768	256 MB	128 MB	256 MB	128 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	1280	256 MB	128 MB	256 MB	128 MB	256 MB	CRIMM	256 MB	CRIMM
Optional	1792	256 MB	128 MB	256 MB	128 MB	256 MB	256 MB	256 MB	256 MB
Optional	3328	512 MB	128 MB	512 MB	128 MB	512 MB	512 MB	512 MB	512 MB
Maximum	2048	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
Maximum	4096	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB

Following are memory options available from Compaq:

- 512-MB Memory Kit (RDRAM RIMM, 800 MHz)   103996-B21
- 256-MB Memory Kit (RDRAM RIMM, 800 MHz)   157341-B21
- 128-MB Memory Kit (RDRAM RIMM, 800 MHz)   157338-B21
- 64-MB Memory Kit (RDRAM RIMM, 800 MHz)   157335-B21
- 256-MB Memory Kit (RDRAM RIMM, 600 MHz)   157339-B21
- 128-MB Memory Kit (RDRAM RIMM, 600 MHz)   157336-B21
- 64-MB Memory Kit (RDRAM RIMM, 600 MHz)   157333-B21

Memory

Compaq Professional Workstation SP750 with 512 MB

STANDARD MEMORY

512-MB of 800-MHz ECC RDRAM standard.

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 2048 MB of 800-MHz ECC RDRAM is available with the installation of optional Memory Kits. Memory must be installed in like pairs.

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4 GB of 600-MHz or 800-MHz ECC RDRAM is available. Memory must be installed in like pairs. Mixing memory speeds will cause the system to operate at the lower speed.

Note: These charts do not represent all possible memory configurations. Memory must be installed in like pairs. Option kits contain one memory module. Mixing memory speeds will cause the system to operate at the lower speed.

Memory		Channel A		Channel B		Channel A		Channel B	
		2	4	1	3	6	8	5	7
Standard	512	CRIMM	256 MB	CRIMM	256 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	1024	256 MB	256 MB	256 MB	256 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	1536	256 MB	256 MB	256 MB	256 MB	256 MB	CRIMM	256 MB	CRIMM
Optional	2048	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
Maximum	4096	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB

Following are memory options available from Compaq:

- 512-MB Memory Kit (RDRAM RIMM, 800 MHz) 103996-B21
- 256-MB Memory Kit (RDRAM RIMM, 800 MHz) 157341-B21
- 128-MB Memory Kit (RDRAM RIMM, 800 MHz) 157338-B21
- 64-MB Memory Kit (RDRAM RIMM, 800 MHz) 157335-B21
- 256-MB Memory Kit (RDRAM RIMM, 600 MHz) 157339-B21
- 128-MB Memory Kit (RDRAM RIMM, 600 MHz) 157336-B21
- 64-MB Memory Kit (RDRAM RIMM, 600 MHz) 157333-B21

QuickSpecs

Compaq *Professional Workstation* SP750

Memory

Compaq Professional Workstation SP750 with 1 GB

STANDARD MEMORY

1-GB of 800-MHz ECC RDRAM standard

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 2048 MB of 800-MHz ECC RDRAM is available with the installation of optional Memory Kits. Memory must be installed in like pairs.

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4 GB of 600-MHz or 800-MHz ECC RDRAM is available. Memory must be installed in like pairs. Mixing memory speeds will cause the system to operate at the lower speed.
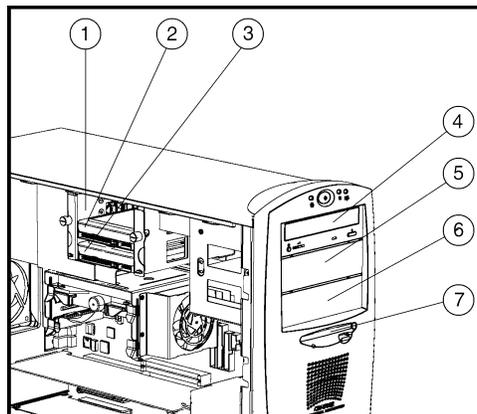
Note: These charts do not represent all possible memory configurations. Memory must be installed in like pairs. Option kits contain one memory module. Mixing memory speeds will cause the system to operate at the lower speed.

Memory		Channel A		Channel B		Channel A		Channel B	
		2	4	1	3	6	8	5	7
Standard	1024 MB	256 MB	256 MB	256 MB	256 MB	EMPTY	EMPTY	EMPTY	EMPTY
Optional	1536 MB	256 MB	256 MB	256 MB	256 MB	256 MB	CRIMM	256 MB	CRIMM
Optional	2048 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
Maximum	4096 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB

Following are memory options available from Compaq:

- 512-MB Memory Kit (RDRAM RIMM, 800 MHz)   103996-B21
- 256-MB Memory Kit (RDRAM RIMM, 800 MHz)   157341-B21
- 128-MB Memory Kit (RDRAM RIMM, 800 MHz)   157338-B21
- 64-MB Memory Kit (RDRAM RIMM, 800 MHz)   157335-B21
- 256-MB Memory Kit (RDRAM RIMM, 600 MHz)   157339-B21
- 128-MB Memory Kit (RDRAM RIMM, 600 MHz)   157336-B21
- 64-MB Memory Kit (RDRAM RIMM, 600 MHz)   157333-B21

QuickSpecs

Compaq *Professional Workstation* SP750

Storage

DRIVE SUPPORT

	Quantity Supported	Position Supported	Controller
Removable Media			
1.44-MB Diskette Drive	Up to 1	7	Integrated
CD-ROM Drive	Up to 1	4, 5, 6	Integrated EIDE
100-MB ATAPI ZIP Drive	Up to 1	4, 5, 6	Integrated EIDE
250-MB ATAPI ZIP Drive	Up to 1	4, 5, 6	Integrated EIDE
10X DVD-ROM	Up to 1	4, 5, 6	Integrated EIDE
4.7-GB DVD-RAM Drive	Up to 1	4, 5, 6	Integrated EIDE
8X/4X/32X CD-RW Drive	Up to 1	4, 5, 6	Integrated EIDE
Hard Drives			
Ultra3 (Ultra 160) SCSI Drives			
1.6-inch (40.64 mm)	Up to 4	1, 3, 5, 6	Ultra3 (Ultra 160) SCSI
72-GB 10,000 rpm			
1-inch (25.4 mm)	Up to 5	1, 2, 3, 5, 6	
36.4-GB 10,000 rpm			
18.2-GB 15,000 rpm			
18.2-GB 10,000 rpm			
9.1-GB 10,000 rpm			
Ultra ATA Drives			
1-inch (25.4 mm)	Up to 4	1, 2, 3, 5, 6	Ultra ATA/66
40-GB 7200 rpm			
40-GB 7200 rpm			
20-GB 7200 rpm			
Maximum Storage Capacity			
Internal	288 GB (assumes that two removable media drives are installed)		
Tape Drives			
TR5 10/20-GB	Up to 1	4, 5, 6	IDE
AIT 35/70-GB Internal	Up to 1	4, 5, 6	SCSI
20-/40-GB DAT	Up to 1	4, 5, 6	SCSI

QuickSpecs

Technical Specifications

System Unit	Tower Dimensions (HxWxD)	Tower	19.75 x 10 x 23.5 in/50.2 x 25.4 x 59.69 cm
		Rack Mountable (5U)	8.05 x 17.7 x 20.5 in/20.5 x 54.6 x 45 cm
	Weight (standard configuration)	54.75 lbs/24.89 kg	
	Power Supply	Operating Voltage Range	90 VAC to 264 VAC
		Rated Voltage Range	100 VAC to 120 VAC; 200 VAC to 240 VAC
		Rated Line Frequency	50 Hz to 60 Hz
		Rated Input Current	8A @ 115 VAC; 4A @ 230 VAC
		Maximum Rated Power	425-Watt output; 708-Watt input
		Physical Dimensions	6.5 x 5 x 6.9 in/16.51 x 12.7 x 17.54 cm
		Weight	7 lbs/3.18 kg
	Temperature (Values are subject to change)	Operating	50° to 104°F/10° to 45°C
		Non-operating	−40° to 149°F/−40° to 65°C
	Humidity (non-condensing) (Values are subject to change)	Operating	20% to 80%
		Non-operating	10% to 95%
	Maximum Altitude (unpressurized)	Operating	10,000 ft/3,048 m
		Non-operating	30,000 ft/9,144 m
Enhanced Keyboard	Dimensions (HxWxD)	1.3 x 6.4 x 18.3 in/3.3 x 16.26 x 46.48 cm	
	Weight	3 lbs/1.4 kg	
	Cable Length	8 ft/2.4 m	
1.44-MB Diskette Drive	Diskette Size	3.5 in	
	LED Indicators (front panel)	Green	
	Read/Write Capacity per Diskette (high/low)	1.44 MB/720 KB	
	Drive Height	One-third	
	Drive Rotation	300 rpm	
	Transfer Rate (high/low)	500/250 Kb/s	
	Bytes/Sector	512	
	Sectors/Track (high/low)	18/9	
	Tracks/Side (high/low)	80/80	
	Access Times	Track-to-Track (high/low)	3/6 ms
		Average (high/low)	94/173 ms
		Settling Time	15 ms
		Latency Average	100 ms
	Cylinders (high/low)		80/80
	Read/Write Heads		Two

QuickSpecs

Technical Specifications

Ultra3 (Ultra160) SCSI Hard Drives	72 GB	**Capacity**	72,000 MB	
	201735-B21	**Height**	1.6 in/40.64 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra3 (Ultra160) SCSI	
		Synchronous Transfer Rate (Maximum)	160 MB/s	
		Seek Time (typical reads, including settling)	Single Track	0.6 ms
			Average	5.2 ms
			Full-Stroke	12 ms
			Rotational Speed	10,000 rpm
		Logical Blocks	142,264,000	
		Operating Temperature	50° to 95°F/10° to 35°C	
	36.4 GB	**Capacity**	36,400 MB	
	191189-B21	**Height**	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra3 (Ultra160) SCSI	
		Synchronous Transfer Rate (Maximum)	160 MB/s	
		Seek Time (typical reads, including settling)	Single Track	0.6 ms
			Average	4.7 ms
			Full-Stroke	12 ms
			Rotational Speed	10,000 rpm
		Logical Blocks	71,132,000	
		Operating Temperature	50° to 95°F/10° to 35°C	
	18.2 GB	**Capacity**	18,209 MB	
	191188-B21	**Height**	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra3 (Ultra160) SCSI	
		Synchronous Transfer Rate (Maximum)	160 MB/s	
		Seek Time (typical reads, including settling)	Single Track	0.8 ms
			Average	4.1 ms
			Full-Stroke	7.7 ms
			Rotational Speed	15,000 rpm
		Logical Blocks	35,566,000	
		Operating Temperature	50° to 95°F/10° to 35°C	
	18.2 GB	**Capacity**	18,209 MB	
	159764-B21	**Height**	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra3 (Ultra 160) SCSI	
		Synchronous Transfer Rate (Maximum)	160 MB/s	
		Seek Time (typical reads, including settling)	Single Track	0.6 ms
			Average	4.7 ms
			Full-Stroke	12 ms
			Rotational Speed	10,000 rpm
		Logical Blocks	35,566,000	
		Operating Temperature	50° to 95°F/10° to 35°C	

Technical Specifications

Ultra3 (Ultra160) SCSI Hard Drives *(continued)*	9.1 GB 159763-B21			
		Capacity	9,100 MB	
		Height	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra3 (Ultra 160) SCSI	
		Synchronous Transfer Rate (Maximum)	160 MB/s	
		Seek Time (typical reads, including settling)	Single Track	0.6 ms
			Average	4.7 ms
			Full-Stroke	12 ms
			Rotational Speed	10,000 rpm
		Logical Blocks	17,773,500	
		Operating Temperature	50° to 95°F/10° to 35°C	

Ultra ATA Hard Drives	40 GB 201066-B21			
		Capacity	40,000 MB	
		Height	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra ATA	
		Synchronous Transfer Rate (Maximum)	66.6 MB/s	
		Seek Time (typical reads, including settling)	Single Track	1.2 ms (2.7 ms quiet seek)
			Average	8 ms (10.1 ms quiet seek)
			Full-Stroke	18.0 ms (21.1 ms quiet seek)
			Rotational Speed	7200 rpm
		Logical Blocks	78,165,360	
		Operating Temperature	41° to 131°F/5° to 55°C	

	30 GB 178252-B21			
		Capacity	30,000 MB	
		Height	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra ATA	
		Synchronous Transfer Rate (Maximum)	66.6 MB/s	
		Seek Time (typical reads, including settling)	Single Track	1.2 ms (2.7 ms quiet seek)
			Average	8 ms (10.1 ms quiet seek)
			Full-Stroke	18.0 ms (21.1 ms quiet seek)
			Rotational Speed	7200 rpm
		Logical Blocks	58,633,334	
		Operating Temperature	41° to 131°F/5° to 55°C	

	20 GB 176272-B21 (outside EMEA) 176275-021 (EMEA only)			
		Capacity	20,000 MB	
		Height	1 in/25.4 mm	
		Width	3.5 in/88.9 mm	
		Interface	Ultra ATA	
		Synchronous Transfer Rate (Maximum)	66.6 MB/s	
		Seek Time (typical reads, including settling)	Single Track	1.2 ms (2.7 ms quiet seek)
			Average	8 ms (10.1 ms quiet seek)
			Full-Stroke	18.0 ms (21.1 ms quiet seek)
			Rotational Speed	7200 rpm
		Logical Blocks	39,102,336	
		Operating Temperature	41° to 131°F/5° to 55°C	

QuickSpecs

Technical Specifications

40X CD-ROM Drive	Disk	Applicable Disk	CD-ROM (Mode 1 and 2), CD-DA, CD-R/W, Photo CD (Single and Multi-session), Mixed Mode (Audio and Data combined), CDI Ready, CD-XA Ready
		Capacity	540 MB (Mode 1, 12 cm)
			650 MB (Mode 2, 12 cm)
		Rotational Speed	8,750 maximum
		Diameter	4.7 in, 3.15 in/12 cm, 8 cm
		Center Hole	0.6 in/15 mm diameter
		Thickness	0.05 in/1.2 mm
		Track Pitch	1.6 µm
	Block Size	Mode 1	2,048 bytes
		Mode 2	2,340, 2,336 bytes
		CD-DA	2,352 bytes
		CD-XA	2,328 bytes
	Interface	IDE	
	Access Times (typical)	Random	< 100 ms
		Full-Stroke	< 150 ms
	Audio Output Level	Line-Out	0.7 VRMS
	Data Transfer Rate	Sustained	150 KB/s (1X, using audio disc)
		Variable	2,550 to 6,000 KB/s (17X to 40X with 650 MB disc)
	Cache Buffer	128 KB minimum	
	Start-up Time (typical)	< 7 s	
	Stop Time	< 4 s	
	Operating Conditions	Temperature	41° to 113°F/5° to 45°C
		Humidity	10% to 80%
	Dimensions	(HxWxD, maximum)	1.7 x 5.9 x 8.19 in/4.29 x 15 x 20.8 cm
		Weight	2.65 lbs/1.2 kg

QuickSpecs

Compaq *Professional Workstation* SP750

Technical Specifications

48X CD-ROM Drive	Disk	Applicable Disk	CD-ROM (Mode 1 and 2), CD-R/W, CD-R Photo CD (Single and Multi-session), Mixed Mode (Audio and Data combined), CDI Ready, CD-XA Ready, CD TEXT, CD EXTRA
		Capacity	540 MB (Mode 1, 12 cm)
			650 MB (Mode 2, 12 cm)
		Rotational Speed	8750 maximum
		Diameter	4.7 in, 3.15 in/12 cm, 8 cm
		Center Hole	0.6 in/15 mm diameter
		Thickness	0.05 in/1.2 mm
		Track Pitch	1.6 µm
	Block Size	Mode 1	2,048 bytes
		Mode 2	2,340, 2,336 bytes
		CD-DA	2,352 bytes
		CD-XA	2,328 bytes
	Interface	IDE	
	Access Times (typical)	Random	< 100 ms
		Full-Stroke	< 150 ms
	Audio Output Level	Line-Out	0.7 VRMS
	Data Transfer Rate	Sustained	150 KB/s (1X, using audio disc)
		Variable	3,000 to 7,200 KB/s
	Cache Buffer	128 KB minimum	
	Start-up Time (typical)	< 7 s	
	Stop Time	< 4 s	
	Operating Conditions	Temperature	41° to 113°F/5° to 45°C
		Humidity	10% to 80%
	Dimensions	(HxWxD, maximum)	1.7 x 5.9 x 8.19 in/4.29 x 15 x 20.8 cm
		Weight	2.65 lbs/1.2 kg

QuickSpecs

Compaq *Professional Workstation* SP750

Technical Specifications

10X/40X DVD-ROM Drive	Disk	Applicable Disk	DVD-ROM, DVD-video, DVD-R, Photo-CD/multisession, CD-ROM, CD-TEXT, Audio CD, CD-I, CD-RW, CD-R, CD-DA, Video CD, CD EXTRA, CD-XA, MPEG, MPC Level 2
		Capacity	540 MB (Mode 1, 12 cm)
			650 MB (Mode 2, 12 cm)
		Rotational Speed	8,750 maximum
		Diameter	4.7 in, 3.15 in/12 cm, 8 cm
		Center Hole	0.6 in/15 mm diameter
		Thickness	0.05 in/1.2 mm
		Track Pitch	1.6 µm CD-ROM
			0.74 µm DVD
	Block Size	Mode 0	2,352 bytes
		Mode 1	2,352, 2,340, 2,336, 2,048 bytes
		Mode 2	2,352, 2,340, 2,336, 2,048 bytes
		DVD	2048 bytes
	Interface	IDE/ATAPI	
	Audio Output Level	Line-Out	0.7 Vrms
		Headphone	0 to 0.6 Vrms
	Access Times (typical)	Random	DVD: < 100 ms
			CD: < 80 ms
		Full Stroke	< 240 ms
	Data Transfer Rate	DVD	10X DVD: 5,545 to 13,525 KB/s (variable)
		CD	40X CD-ROM: 2,600 to 6,000 KB/s (variable)
	Cache Buffer	512 KB	
	Start-up Time (typical)	< 15 s (typical)	
	Stop Time	< 4 s	
	Operating Conditions	Temperature	41° to 113°F/5° to 45°C
		Humidity	5% to 85%

DA-10440   World Wide — Version 21 — July 20, 2001   25

Technical Specifications

Compaq *Premier•Sound* featuring AC'97 Audio			
Type	Embedded AC'97 2.1 Codec		
Sound Quality	16-Bit Stereo Full-Duplex (CD Quality)		
Sampling	Variable 7 kHz to 48 kHz		
Audio Compression/Decompression	ESPCM and ADPCM compression		
Full Scale Input Voltage (RMS)	Microphone Input Line Input	100 mVolts 2.2 Volts	
Full Scale Output Voltage (RMS)	Line Output	1.4 Volts	
Impedance (nominal)	Line Output Line Input	800 ohms (typical) 10 Kohms (typical)	
Playback (PC-D-A)	Dynamic Range Total Harmonic Distortion + Noise Frequency Response (–3 dB)	–91 dB (typical) –69 dB (typical) 20 Hz to 20 kHz	
Line Output Crosstalk (10 kHz)	–74 dB		
Headphone Maximum Output (1 kHz)	60 mWrms into 32 ohms (THD+N < 1%)		
Internal Power Amplifier Rating	Nominal: 1.5 Watts RMS @ 8 ohms Maximum: 5 Watts RMS @ 8 ohms		
Speaker	Frequency Response Equalizer Design	200 Hz to 15 kHz 5 stages of fixed equalization High-performance, infinite baffle loudspeaker	
Connectors	Line-in, line-out, microphone-in, headphone-out		
Operating System Driver Support	Windows NT 4.0, Windows 98, Windows 2000		

QuickSpecs

Compaq *Professional Workstation* SP750

Technical Specifications

Intel PRO/100+ Management Adapter			
Network Interface	10Base-T or 100Base-TX		
Expansion Bus Architecture	PCI 2.2		
Network Transfer Rate	10Base-T (Half-Duplex)	10 Mb/s	
	10Base-T (Full-Duplex)	20 Mb/s	
	100Base-TX (Half-Duplex)	100 Mb/s	
	100Base-TX (Full-Duplex)	200 Mb/s	
Connectors	RJ-45		
Standards Compliance	10-MB/s Ethernet	IEEE 802.3	
	100-Mb/s Ethernet	IEEE 802.3µ	
I/O Address	Auto-configured		
Remote Wakeup	Yes		
Operating Temperature	0° to 55°F/10° to 35°C		
Operating Humidity (non-condensing)	85% at 131°F/55°C		
Operating Altitude	10,000 ft/3,048 m		
Communication Processor	Intel 82559		
OS Driver Support	Windows NT 4.0	NDIS 3.0, 4.0 Compliant	
	Windows 98, 2000	NDIS 3.0, 4.0, 5.0 Compliant	
	Novell NetWare Server v. 3.x, 4.x and 5.0	ODI Compliant	
	SunSoft Solaris™	Not supported	
	SCO UnixWare, OpenDesktop, OpenServer	Supported	

QuickSpecs

Compaq *Professional Workstation* SP750

Technical Specifications

Matrox Millennium G450 Graphics Controllers		
Form Factor	ATX	
Bus Type	AGP 1X, 2X, 4X: PCI rev 2.2 bus specification	
Standard Memory	AGP: 32 MB / PCI: 16 MB	
DAC Speed	360 MHz (secondary DAC: 200 MHz)	
Data Path	64-bit DDR External/256-bit Internal	
Internal Bus Width	256-bit DualBus	
Memory Interface	64-bit DDR Memory	
Frame Buffer	AGP: 32 MB / PCI: 16 MB	
Two Integrated RAMDACS	Yes	
Engine Acceleration	3 ROP bitBLT, line draw, text, color expansion, basic video color conversion and scaling, triangle setup engine	
Output	Analog, 2 ports	
OS Support	Microsoft Windows 2000, Windows 98 and Windows NT 4.0 available from Compaq.	
Other	PCI bus mastering, texture mapping support, flat and Gouraud shading, direct 3D support, Anisotropic Filter, perspective texture, specular highlighting, wireframe, dithering, full scene anti-aliasing, vertex fog, dual texture mapping, Plug-and-Play AGP 2X and AGP 4X, 0.18-micron technology (lower heat/power consumption), high-quality DVD playback with full access to Windows, Color Space Conversion, Quick Draw support, DCI and DirectX video playback, MS DirectDraw support	
3D Features	Single-cycle multi-texturing	Yes
	Environment-Mapped Bump Mapping	Yes
	Internal Rendering	32-bit
	Source Textures	Up to 32-bit
	Maximum Texture Size	2048 X 2048
	Hardware non-power-of- 2 textures	Yes
	32-bit Color Output	Yes
	32-bit Independent Z-buffer	Yes
	Stencil Buffering	Yes
	AGP Texturing	Yes
	Trilinear Filtering	Yes
	DirectX Support	Yes
	OpenGL Support	Yes
DualHead Display Features	Multi-Display Mode, DVD Max Mode, DualHead Zoom Mode, DualHead Clone Mode, DualHead TV Output Mode, Single Chip Multi-Monitor Support	

**Matrox Millennium G450
Graphics Controllers**
(continued)

Supported Modes
This list assumes setup to be DualHead multi-display running Microsoft Windows 98. If using Windows NT 4.0 or Windows 2000 while in multi-display, primary CRT is limited to modes supported by 2nd CRT.

Primary CRT Color Depths	*Color Depths (bpp)*	*Refresh Rates*
640 x 480	8, 16, 24, 32	60 Hz, 72 Hz, 75 Hz, 85 Hz
800 x 600	8, 16, 24, 32	60 Hz, 72 Hz, 75 Hz, 85 Hz
1024 x 768	8, 16, 24, 32	60 Hz, 70 Hz, 75 Hz, 85 Hz
1152 x 864	8, 16, 24, 32	75 Hz
1280 x 960	8, 16, 24, 32	60 Hz, 75 Hz, 85 Hz
1280 x 1024	8, 16, 24, 32	60 Hz, 75 Hz, 85 Hz
1600 x 1200	8, 16, 24, 32	60 Hz, 65 Hz, 70 Hz, 75 Hz, 85 Hz
1800 x 1440	8, 16, 24	60 Hz, 72 Hz, 75 Hz, 85 Hz
1856 x 1392	8, 16, 24	60 Hz, 75 Hz, 85 Hz
1920 x 1440	8, 16, 24	60 Hz, 75 Hz, 85 Hz
2048 X 768	8, 16	60 Hz, 75 Hz
Secondary CRT Color Depths	*Color Depths (bpp)*	*Refresh Rates*
640 x 480	16, 32	60 Hz, 72 Hz, 75 Hz, 85 Hz
800 x 600	16, 32	60 Hz, 72 Hz, 75 Hz, 85 Hz
1024 x 768	16, 32	60 Hz, 70 Hz, 75 Hz, 85 Hz
1152 x 864	16, 32	75 Hz
1280 x 960	16, 32	60 Hz, 75 Hz, 85 Hz
1280 x 1024	16, 32	60 Hz, 75 Hz, 85 Hz
1600 x 1200	16, 32	60 Hz, 65 Hz, 70 Hz, 75 Hz, 85 Hz

Technical Specifications

Compaq NVIDIA TNT2 Pro Graphics Controller		
Form Factor	1/2 size ATX	
Bus Type	AGP with full sideband support	
Memory Support	16-MB SGRAM (frame buffer), 166 MHz	
RAMDAC	300 MHz	
Data Path	128-bit	
Process	0.25u	
Internal Clock	142 MHz	
Memory Clock	166 MHz	
Pipelines	2 (bilinear)	
Fill Rate	333 M pix/s	
Triangle Rate	8 M Tri/s	
Video Overlay Filter	2 x 2	
Color Space Conversion	Yes	
Scaling	Yes	
Feature Connector	VIP connector	
Quick Draw Support	Yes	
DCI and DirectX Video Playback	Yes	
Microsoft DirectX Support	Yes	
3D Support	Yes	
Engine Acceleration	Basic Video Color Conversion and Scaling	
	100% HardwareTriangle Setup Engine	
OS Support	Windows 98, Windows 2000, Windows NT 4.0	
Other	Optimized for Direct3D acceleration with support for DirectX 5.0 and 6.0	
	128-bit TwiN-Texel (TNT) architecture	
	2 texture mapped, lit pixels per clock	
	Single-pass, multi-texture rendering	
	32-bit rendering with destination alpha	
	24-bit Z-buffer, 8-bit stencil buffer	
	Anisotropic filtering (better than Tri-Linear MIP-mapping)	
	High-performance 128-bit 2D/GUI/DirectDraw Acceleration. Transparent BLT, stretch BLT, points, lines, polylines, polygons, fills, patterns, arbitrary clipping and fast text rendering; pipe-line optimized for multiple color depths including 8, 16, and 24 bits per pixel	
	Video acceleration for DirectShow™, MPEG-1, MPEG-2 and Indeo ®	
	Fast 32-bit VGA/SVGA	
	128-bit frame buffer interface - 2.6 Gb/s bandwidth	
	Triple 8-bit , 250-MHz Palette DAC	
	Bi-directional Media Port and CCIR-656 Video Capture Port (for AIB only)	

Technical Specifications

Compaq NVIDIA TNT2 Pro Graphics Controller *(continued)*	Resolutions Supported	Colors	Real-Time 3D Gouraud Shading	Refresh Rates
	1800 x 1440	256, 65K, 16.7M	65K	60 to 70 Hz (vertical sync), 89 to 104 kHz (horizontal sync)
	1920 x 1200	256, 65K, 16.7M	256, 65K	60 to 76 Hz (vertical sync), 75 to 95 kHz (horizontal sync)
	1920 x 1080	256, 65K, 16.7M	256	60 to 80 Hz (vertical sync), 70 to 94 kHz (horizontal sync)
	1600 x 1200	256, 65K, 16.7M	256	60 to 90 Hz (vertical sync), 75 to 113 kHz (horizontal sync)
	1280 x 1024	256, 65K, 16.7M	256, 65K	60 to 100 Hz (vertical sync), 64 to 107 kHz (horizontal sync)
	1152 x 864	256, 65K, 16.7M	256, 65K	60 to 120 Hz (vertical sync), 54 to 110 kHz (horizontal sync)
	1024 x 768	256, 65K, 16.7M	256, 65K, 16.7M	60 to 140 Hz (vertical sync), 48 to 113 kHz (horizontal sync)
	800 x 600	256, 65K, 16.7M	256, 65K, 16.7M	60 to 200 Hz (vertical sync), 38 to 114 kHz (horizontal sync)
	640 x 480	256, 65K, 16.7M	256, 65K, 16.7M	60 to 200 Hz (vertical sync), 31 to102 kHz (horizontal sync)

QuickSpecs

Compaq *Professional Workstation* SP750

Technical Specifications

NVIDIA Quadro2 Pro Graphics Controller	**3D/2D Controller**	Integrated Quadero2 Pro 2D/3D 128-bit graphics processor unit (GPU)
	VGA Controller	Integrated into the Quadro2 Pro GPU
	Bus type	AGP4x
	RAMDAC	350 MHz
	Memory type	400 MHz 4Mx16DDr-5ns
	Memory amount	64 MB
	Memory Speed	400 MHz (DDR)
	Controller clock speed	250 MHz
	Color planes	32-bit color buffer
	Overlay planes	1 16-bit Video overlay plane, software emulation for OpenGL overlay planes
	Stencil planes	8-bit stencil buffer
	Alpha planes	8-bit alpha buffer
	Z-buffer	24-bit
	Total bits/pixel	64
	Maximum vertical refresh rate	240 Hz
	Maximum pixel clock	350 MHz
	Multi-display support	No
	Operating systems	Microsoft Windows 2000, Windows NT 4.0 available from Compaq

Resolution	Maximum Colors Supported	Maximum Refresh Rate	Memory Dedicated to Texture Support
640 x 480	16.7 M	240 Hz	60.4 MB
800 x 600	16.7 M	240 Hz	58.4 MB
1024 x 768	16.7 M	240 Hz	54.8 MB
1152 x 864	16.7 M	200 Hz	52.3 MB
1280 x 1024	16.7 M	150 Hz	48.6 MB
1600 x 1000	64 K	120 Hz	54.6 MB
1600 x 1000	16.7 M	120 Hz	45.3 MB
1600 x 1200	64 K	100 Hz	52.8 MB
1600 x 1200	16.7 M	100 Hz	41.5 MB
1600 x 1280	64 K	100 Hz	52 MB
1600 x 1280	16.7 M	100 Hz	40 MB
1920 x 1080	64 K	85 Hz	51.9 MB
1920 x 1080	16.7 M	85 Hz	39.7 MB
1920 x 1200	64 K	85 Hz	50.5 MB
1920 x 1200	16.7 M	85 Hz	37 MB

QuickSpecs

Compaq *Professional Workstation* SP750

Technical Specifications

Matrox G200 Quad Multi-Monitor Series (MMS) Graphics Controller	**Dimensions** (HxW)	4.5x8 in/11.43x20.32 cm		
	Refresh Rate (per display)			
	Aspect Ratio	**Resolution**	**Vertical**	**Horizontal**
	4:3/5:4	640 x 480	60 to 200 Hz	31 to 102 kHz
		800 x 600	60 to 200 Hz	38 to 114 kHz
		1024 x 768	60 to 140 Hz	48 to 113 kHz
		1152 x 864	60 to 120 Hz	54 to 110 kHz
		1280 x 1024	60 to 100 Hz	64 to 107 kHz
		1600 x 1200	60 to 90 Hz	75 to 113 kHz
		1800 x 1440	60 to 70 Hz	89 to 104 kHz
	16:9/16:10	856 x 480	60 to 200 Hz	30 to 108 kHz
		1280 x 720	60 to 100 Hz	44 to 76 kHz
		1600 x 1024	60 to 100 Hz	64 to 108 kHz
		1920 x 1080	60 to 80 Hz	70 to 94 kHz
		1920 x 1200	60 to 76 Hz	75 to 95 kHz

With DVI digital flat panel displays, the maximum display resolution is 1280 x 1024.

Maximum refresh rates may not be attainable at the highest display resolutions with 24 or 32-bit color palettes.

Interface	PCI
Standard Memory	32-MB SGRAM (8 MB per port)
DAC Speed	250 MHz
Data Path	128-bit Internal/64-bit External
Color Space Conversion	Yes
Scaling	Yes
Quick Draw Support	Yes
DCI & DirectX Video Playback	Yes
Direct3D Support	Yes
Engine Acceleration	3 ROP bitBLT, Line Draw, Text, Color Expansion, Basic Video Color Conversion and Scaling, Triangle Setup Engine

Output	Two output ports, which require 2 adapter cables to connect analog or digital output displays	
	Analog Display Support	2 RGB cables support two DB-15 analog displays per cable
	DVI (Digital Visual Interface) Display Support	DVI cable option kit provides two DVI cables for connecting two DVI compliant displays per cable
	Display options supported	Four analog displays via two RGB cables
		Four DVI displays via two DVI cables
		Two analog displays via one RGB cable and two DVI displays via one DVI cable

Other	PCI bus-mastering, texture mapping support, flat and Gouraud shading, Anisotropic Filter, perspective texture, specular highlighting, dithering, full scene anti-aliasing, Vertex fog
OS Support	Windows 2000 (not available for Chinese, Taiwanese, or Korean languages) and Windows NT 4.0

DA-10440   World Wide — Version 21 — July 20, 2001   33

Technical Specifications

ELSA Synergy II Graphics Controller	**Dimensions** (HxW)	3.25 x 6.25 in/8.3 x 15.9 cm		

Resolution	Maximum Colors Supported	Maximum Refresh Rate	Memory Dedicated to Texture Support
640 x 480	16.7M	120 Hz	29.1 MB
800 x 600	16.7M	120 Hz	27.1 MB
1024 x 768	16.7M	120 Hz	23.5 MB
1152 x 864	16.7M	120 Hz	21.1 MB
1280 x 1024	16.7M	120 Hz	17.9 MB
1600 x 1000	16.7M	75 Hz	14 MB
1600 x 1000	65K	85 Hz	14 MB
1600 x 1200	16.7M	75 Hz	10.2 MB
1600 x 1200	65K	85 Hz	10.2 MB
1600 x 1280	16.7M	75 Hz	8.7 MB
1600 x 1280	65K	85 Hz	8.7 MB
1920 x 1080	16.7M	75 Hz	8.4 MB
1920 x 1080	65K	85 Hz	8.4 MB
1920 x 1200	16.7M	75 Hz	5.7 MB
1920 x 1200	65K	75 Hz	5.7 MB

3D/2D Controller	Nvidia TNT 2
VGA Controller	Integrated
Bus Type	AGP 2X/4X
RAMDAC	Integrated 300 MHz
Memory Type	SDRAM
Memory Amount	32 MB (Maximum)
Memory Speed	143 MHz
Controller Clock Speed	125 MHz
Color Planes	24 bits double buffered
Overlay Planes	0
Stencil Planes	8 bit
Alpha Planes	0
Z-buffer	24 bit
Total bits/pixel	96
Maximum Vertical Refresh Rate	120 Hz
Maximum Pixel Clock	300 MHz
Multi-display Support	No
Operating Systems	Windows 2000, Windows NT 4.0, Windows 98

Note: All drivers and enhanced software, including *POWERdraft*, *ELSAview*, and *MAXtreme*, can be found on the Compaq Web site at: www.compaq.com/support/files/workstations/us/index.html.

Technical Specifications

NVIDIA Synergy III Quadro2 MXR (AGP) Graphics Controller	Resolution	Maximum Colors Supported	Maximum Refresh Rate	Memory Dedicated to Texture Support
	640 x 480	16.7M	240 Hz	28.4 MB
	800 x 600	16.7M	240 Hz	26.4 MB
	1024 x 768	16.7M	200 Hz	22.8 MB
	1152 x 864	16.7M	170 Hz	20.3 MB
	1280 x 1024	16.7M	150 Hz	16.6 MB
	1600 x 1000	64K	120 Hz	22.6 MB
	1600 x 1000	16.7M	120 Hz	13.3 MB
	1600 x 1200	64K	100 Hz	20.8 MB
	1600 x 1200	16.7M	100 Hz	9.5 MB
	1600 x 1280	64K	100 Hz	20 MB
	1600 x 1280	16.7M	100 Hz	8 MB
	1920 x 1080	64K	85 Hz	19.9 MB
	1920 x 1080	16.7M	85 Hz	7.7 MB
	1920 x 1200	64K	85 Hz	18.5 MB
	1920 x 1200	16.7M	85 Hz	5 MB

3D/2D Controller	Integrated Quadro2 MXR 2D/3D 128-bit graphics processor
VGA Controller	Integrated
Bus Type	AGP 2X, 4X Graphics Bus
RAMDAC	350 MHz
Memory Type	183 MHz SDR 2Mx32
Memory Amount	32 MB
Memory Speed	183 MHz
Controller Clock Speed	200 MHz
Color Planes	32-bit color buffer
Overlay Planes	One 16-bit video overlay plane, software emulation for OpenGL overlay planes
Stencil Planes	8-bit stencil buffer
Alpha Planes	8-bit alpha buffer
Z-buffer	24-bit Z buffer
Total bits/pixel	64 bits
Maximum Vertical Refresh Rate	240 Hz
Maximum Pixel Clock	350 MHz
Multi-display support	Yes
Operating Systems	Windows 2000, Windows Millennium, Windows NT 4.0, Windows NT 3.5, Windows 98, Windows 3.1, Whistler, Linux

Note: All drivers and enhanced software, including POWERdraft, NVIDIAview, and MAXtreme, can be found on the Compaq web site at: www.compaq.com/support/files/workstations/us/index.html.

Technical Specifications

ELSA GLoria II Graphics Controller	Dimensions (H x W)	3.25 x 6.25 in/8.3 x 15.9 cm		
	Resolution	**Maximum Colors Supported**	**Maximum Refresh Rate**	**Memory Dedicated to Texture Support**
	640 x 480	16.7M	120 Hz	60 MB
	800 x 600	16.7M	120 Hz	58 MB
	1024 x 768	16.7M	120 Hz	54 MB
	1152 x 864	16.7M	100 Hz	52 MB
	1280 x 800	16.7M	100 Hz	52 MB
	1280 x 960	16.7M	100 Hz	49 MB
	1280 x 1024	16.7M	100 Hz	48 MB
	1600 x 1000	16.7M	100 Hz*	45 MB
	1600 x 1000	16.7M	85 Hz	45 MB
	1600 x 1200	16.7M	85 Hz	41 MB
	1600 x 1280	16.7M	85 Hz*	40 MB
	1600 x 1280	16.7M	75 Hz	40 MB
	1920 x 1080	16.7M	85 Hz*	39 MB
	1920 x 1080	16.7M	75 Hz	39 MB
	1920 x 1200	16.7M	85 Hz*	37 MB
	1920 x 1200	16.7M	75 Hz	37 MB
	2048 x 1536	16.7M	75 Hz*	27 MB

*Refresh rate may function but may not officially be supported by Compaq monitors.

3D/ Controller	NVIDIA Quadro
VGA Controller	Integrated
Bus Type	AGP 2X/4X
RAMDAC	Integrated 350 MHz
Memory Type	SDRAM
Memory Amount	64 MB (unified)
Memory Speed	166 MHz
Controller Clock Speed	135 MHz
Color Planes	24-bit double buffered
Overlay Planes	8-bit double buffered
Stencil Planes	8 bit
Alpha Planes	8-bit double buffered
Z-buffer	24 bit
Total bits/pixel	112
Maximum Vertical Refresh Rate	132 Hz
Maximum Pixel Clock	350 MHz
Multi-display support	No
Stereo support	Yes
Operating Systems	Windows 2000/Windows NT 4.0

QuickSpecs

Compaq Professional Workstation SP750

Technical Specifications

Intense3D Wildcat 4210 Graphics Controller	Dimensions (HxW)	4.25 x 13.5 in/10.795 x 34.29 cm			
	Resolutions Supported	The following tables show the highest resolutions and corresponding highest refresh rates supported for the 4210 without multi-sampling. Resolutions higher than 1280 x 1024 are supported only for analog CRT monitors. Digital Flat Panel monitor support is limited to 112 Mpix/s, equating to a maximum Digital Flat Panel resolution of 1280 x 1024 at 60 Hz.			

Aspect Ratio	96 bits per pixel	128 bits per pixel	160 bits per pixel	192 bits per pixel
4 x 3	1920 x 1440 (60 Hz)	1920 x 1440 (60 Hz)	1920 x 1440 (60 Hz)	1920 x 1440 (60 Hz)
5 x 4	1600 x 1280 (76 Hz)	1600 x 1280 (76 Hz)	1600 x 1280 (76 Hz)	1600 x 1280 (76 Hz)
16 x 9	2048 x 1152 (75 Hz)	2048 x 1152 (75 Hz)	2048 x 1152 (75 Hz)	2048 x 1152 (75 Hz)
16 x 10	1920 x 1200 (75 Hz)	1920 x 1200 (75 Hz)	1920 x 1200 (75 Hz)	1920 x 1200 (75 Hz)
5 x 4 Frame Sequential Stereo	1280 x 1024 (60 Hz)	1280 x 1024 (60Hz)	1280 x 1024 (52 Hz)	1280 x 1024 (52 Hz)
4 x 3 Frame Sequential Stereo	1280 x 960 (60 Hz)	1280 x 960 (60 Hz)	1280 x 960 (60 Hz)	1280 x 960 (60 Hz)

Supported Plane Sets

Buffer	96 bits per pixel mode	128 bits per pixel mode	160 bits per pixel mode	192 bits per pixel mode
Image Planes	24-bit double buffered	24-bit double buffered	24-bit double buffered	24-bit double buffered
Z-Buffer	24-bit	32-bit	24-bit	32-bit
Overlay	4-bit (max), double buffered	8-bit (max), double buffered	4-bit (max), double buffered	8-bit (max), double buffered
Stencil Planes	8-bit (max)	8-bit (max)	8-bit (max)	8-bit (max)
Alpha Planes	0	8-bit double buffered	0	8-bit double buffered
Mask	2-bit	2-bit	2-bit	4-bit
Accumulation Buffer	0	0	64-bit	64-bit
Fast Clear Buffer	1-bit double buffered	1-bit double buffered	1-bit double buffered	1-bit double buffered

Vertical Frequency	60 to 85 Hz
Graphics Controller	Intense3D ParaScale™ architecture with single geometry accelerator and rendering engines
Bus Type	AGP Pro 110
RAMDAC	250 MHz
Memory Type	SDRAM
Memory Amount	128-MB frame buffer and 128-MB texture memory, and 32-MB DirectBurst
Memory Speed	143-MHz frame buffer and texture buffer, 133-MHz Direct Burst Memory
Data Path	256-bit frame buffer, 128-bit texture buffer, 64-bit DirectBurst
Controller Clock Speed	147-MHz geometry
Maximum Vertical Refresh Rate	85 Hz
Maximum Pixel Clock	250 MHz
Stereographic Support	Yes
External Interfaces	Two DVI-I Digital Video Output Ports, Stereo Port, Genlock Port 75ohm BNC Male connector, Multiview In port, and a Multiview Out port
Operating System Support	Windows 2000/Windows NT 4.0

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DA-10440   World Wide — Version 21 — July 20, 2001   37