QuickSpecs

Overview

Compaq Evo Mobile Workstation N800w

HP recommends Microsoft®
Windows® XP Professional
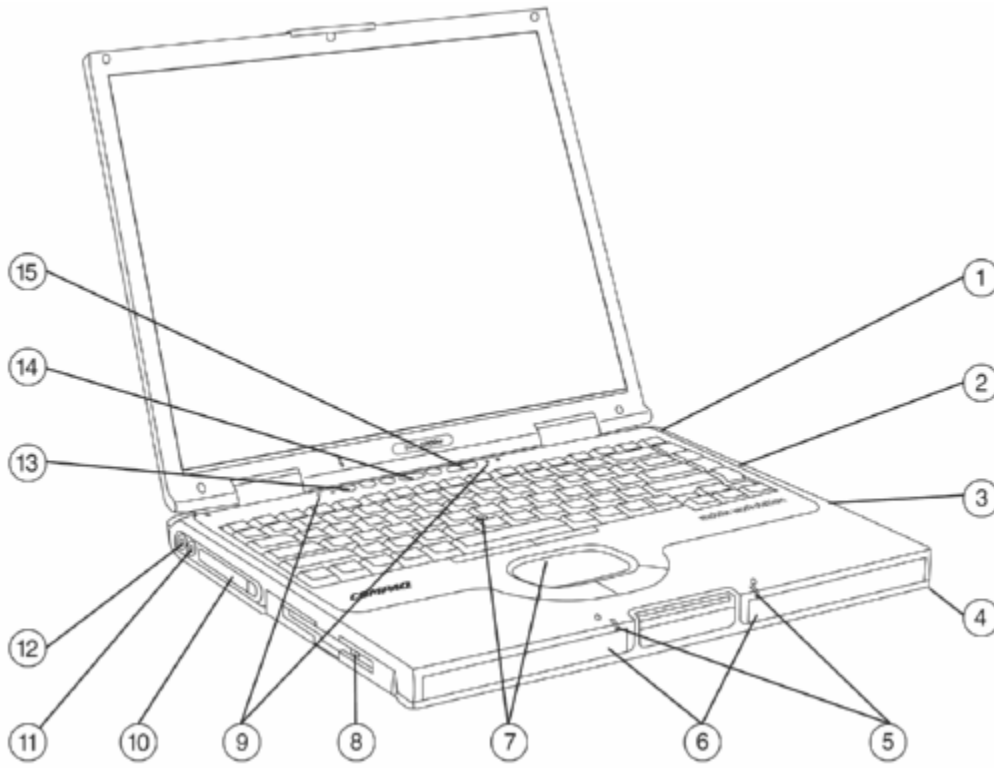
1. Kensington Lock
2. Air Vent
3. Hard Drive
4. Battery
5. System LEDs
6. Stereo Speakers
7. Dual Pointing Devices
8. MultiBay
9. Keyboard LEDs
10. PC Card Slot (1)
11. Headphone
12. Audio In
13. Easy Access Buttons
14. Power Button
15. Volume Control

Compaq Evo Notebook N800W
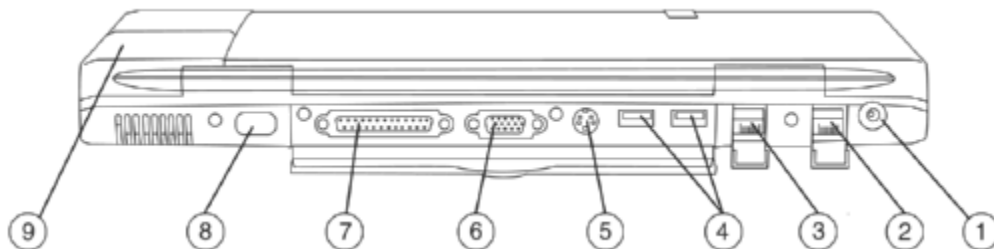
1. DC In
2. RJ-45
3. RJ-11
4. USB Ports (2)
5. S-Video
6. VGA
7. Parallel
8. Infrared
9. MultiPort

Overview

What's New

- Mobile Intel® Pentium® 4 Processor-M - up to 2.5 GHz
- 400-MHz Front side bus
- 1-GB memory modules now available
- High performance ATI Mobility FireGL 9000 Graphics with 64MB dedicated DDR video memory
- 15" UXGA panel with wide viewing angle
- Certified with the latest professional workstation applications

At A Glance

- Mobile Intel Pentium 4 Processor-M - up to 2.5GHz
- 15-inch SXGA+ UXGA, or UXGA with wide viewing angle displays
- Durable magnesium enclosure
- Configurations as light as 6.0 lb/2.72 kg weight (15-inch panel w/ weight saver)
- 1.4 in/3.6 cm thin
- 256-MB DDR SDRAM (266 MHz), upgradeable to 2 GB
- Up to 60-GB/5400 rpm primary SMART hard drives; 120GB with second MultiBay drive
- 56K Mini PCI modem and integrated 10/100 NIC
- Full-size keyboard
- Microsoft® Windows® XP Pro or Microsoft Windows 2000
- Includes a Three-year, Worldwide Warranty—Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

What's Special

- High performance ATI Mobility FireGL 9000 Graphics with 64MB dedicated DDR video memory
- Certified with the latest professional workstation applications
- 15" UXGA panel
- USB 2.0
- Large hard drives
- Wireless features thru Award-Winning MultiPot

Standard Features

Processors One of the following		2.5-GHz on Mobile Intel Pentium 4 processor-M with 400-MHz Front side bus and 512-KB L2 cache 2.4-GHz on Mobile Intel Pentium 4 processor-M with 400-MHz Front side bus and 512-KB L2 cache 2.2-GHz on Mobile Intel Pentium 4 processor-M with 400-MHz Front side bus and 512-KB L2 cache 2.0-GHz on Mobile Intel Pentium 4 processor-M with 400-MHz Front side bus and 512-KB L2 cache

NOTE: Mobile Intel Pentium 4 processor-M supports enhanced Intel SpeedStep™ technology.
NOTE: Mobile Intel Pentium 4 processors featuring Intel SpeedStep technology, speed denotes maximum performance mode; battery optimized mode always runs at 1.2 GHz regardless of the maximum speed of the processor.
NOTE: N800w systems only run in battery optimized mode while running on battery power

Display One of the following:	Internal	15-inch color TFT UXGA wide viewing angle with 1600 x 1200 resolution (up to 16.7M colors internal) 15-inch color TFT UXGA with 1600 x 1200 resolution (up to 16.7M colors internal) 15-inch color TFT SXGA+ with 1400 x 1050 resolution (up to 16.7M colors internal)
	External	Up to 32-bit per pixel color depth Supports 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024, 1400 x 1050, 1600 x 1200, or 2048 x 1536 resolutions up to 160-Hz refresh rate, dependent upon monitor capability, resolution and color depth settings

Graphics	Highest performance ATI Mobility Fire GL 9000 Graphics, 128-bit video, 4X AGP with 64-MB DDR video memory for increased color depth and graphics performance

Memory	Standard	256-MB (266-MHz) DDR SDRAM (256-MB SODIMM in slot 1) 5
	Maximum	2-GB (266-MHz) DDR SDRAM (1024-MB SODIMM in slots 1 and 2)

NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend Compaq branded memory to ensure compatibility.

Communications	10/100 NIC is integrated on the system board (LOM)
	Type III Mini PCI 56K (V.92) modem

NOTE: Designed only to allow faster downloads from V.92 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions.
NOTE: Modem availability is subject to country regulatory approval

Keyboard	The 101/102-key desktop compatible keyboard features a full-width layout with desktop keyboard features such as isolated inverted-T cursor control keys, 6 editing keys, and 12 function keys. The US and International layouts have 88 keys. Other features include 19 mm x 19 mm standard key pitch (center-to-center spacing), 3.0 mm key stroke, 3 Windows keys, comfort-dished keycaps, bright key legends for improved visibility in low light conditions, an integrated numeric keypad, and hotkeys for instant access to media player, display brightness, wireless on/off, and other controls.

Standard Features

Easy Access Internet Buttons	The Compaq Evo mobile workstation N800w features four Easy Access Buttons designed to increase customer productivity by providing one-touch access to helpful Compaq information, favorite Internet destinations, files, or applications.

Pointing Device	Dual pointing devices (both pointstick and touchpad)

PC Card Slots	One Type II PC Card Slot which supports both 32-bit CardBus and 16-bit PC Cards

Storage	Primary Hard Dive	80-GB 4200 rpm Hard drive
		60-GB 5400 rpm Hard drive
		50-GB 7200 rpm Hard drive
		40-GB 5400 rpm Hard drive
		30-GB 4200 rpm Hard drive
	Optical Drives	24x/10x/24x/8x DVD-CD-RW combo
		8X/ DVD-ROM or
		24X CD-ROM

Multimedia	JBL Pro Speakers with bass reflex and 16-bit stereo sound
	Integrated microphone
	Dedicated hardware volume controls
	Headphone-out port
	Microphone in port
	Software MPEG1 support, MPEG2 and DVD
	24X DVD/CD-RW Combination Drive (on select models)
	8X DVD-ROM Drive with movie playback software (on select models)
	24X CD-ROM Drive (on select models)
	S-video Port
	4X AGP graphics
	64-MB of VRAM

Interfaces	PC Card	One Type II
	Enhanced Parallel EPP/ECP	1
	S-Video	1
	VGA	1
	Port Replicator	1
	Headphone/Line-out	1
	Microphone in	1
	DC Power	1
	RJ-11 (modem)	1
	RJ-45 (NIC)	1
	Infrared Port	1 (4 Mb/s support) (IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and application used.)
	USB Port	2
	LED status indicators	6

Standard Features

Operating System	**Preinstalled Operating Systems**	Microsoft Windows XP Professional or Microsoft Windows 2000 Professional
	Certifications	Microsoft WHQL Certified PC 2001 Compliant Red Hat Linux 8.0 (The Red Hat Linux certification is pending.)

Software

Preinstalled
Diagnostics for Windows
Easy Access Button Software
Intel SpeedStep Technology Applet
Compaq Help and Support (XP Only)
Compaq Info Center (XP Only)
Synaptics Touchpad Driver

On CD
WinDVD 3.2 DVD Player (on DVD and DVD/CDRW models)
Roxio Easy CD Creator 5 (on CDRW and DVD/CDRW models)
Adobe Acrobat Reader

System Recovery

Each unit is shipped with a series of CD's kit for quick OS recovery
(erases hard disk and restores manufacturer installed image)

Intelligent Manageability

Intelligent Manageability, a key component of HP PC Lifecycle Solutions, is the broad set of manageability features found on Evo client and ProLiant server products. These manageability features on PC clients comply with industry standards, such as DMI/, SMBIOS, PXE, and WBEM while pioneering new ground in client manageability. Compaq introduced the industry's first line of manageable clients in 1995. With the combination of Compaq and HP in 2002 HP, and HP's lifecycle management philosophy, enterprises have all of the pieces for end-to-end management and proven tools for hassle-free management of PCs. The combination of these tools significantly lowers the Total Cost of Ownership of managing the computing environment. Intelligent Manageability offers solutions in the areas of Initial Configuration and Deployment, Asset Tracking and Security, Software Updating and Management, and Fault Notification and Recovery. For more information, visit these websites: http://www.compaq.com/im; http://www.compaq.com/easydeploy; http://www.compaq.com/solutions/pcsolutions

Security

Configuration Control Hardware
Memory Change Alert
Ownership Tag
Set-up Password
Power-On Password
DriveLock
Enabled for PC SmartCard options
Kensington Lock

Power Supply

External 65-watt AC adapter, 6-foot/1.8-meter power cord included. Total length including External AC adapter is 12 feet/3.66 meters

QuickSpecs

Standard Features

Battery	**NOTE:** Actual results may vary with product model, configuration, and individual usage. Hewlett-Packard results of 3:11 (hr:min) were achieved running the Ziff Davis Media's Business Winstone 2002 BatteryMark™ benchmark version 1.0 on an Evo 800w with a Intel Pentium 4-M 2.4 GHz CPU, Windows XP Pro, 15.0-inch UXGA panel, 512-MB RAM, 60-GB HDD, 8X DVD , 8-cell Lithium-Ion battery, and NIC/modem. System parameters were set according to eTesting Labs' recommendations: panel brightness 50%, power management scheme – Compaq_ACDC, hard drive, standby and video timers set to never.

Battery Re-Charge Time	System in OFF mode or Standby	2 hours
	System ON (depending on system power consumption)	2-5 hours

Power Conservation	Supports enhanced Intel SpeedStep Technology (allows a Battery Optimized Mode, Maximum Performance Mode, or Automatic mode) Hibernation Instant-on via Standby Pop-ups with three presets One custom level of power conservation ACPI compliant **NOTE:** N800w systems only run in battery optimized mode while running on battery power
MultiBay Devices	MultiBay devices may be swapped with the system powered on (hot) under Microsoft Windows XP or Microsoft Windows 2000 (except secondary hard drive). MultiBay devices can be swapped with system power off under any supported operating system.
MultiPort	MultiPort is a flexible, innovative solution providing customers the ability to connect to their choice of wireless standards such as 802.11b or Bluetooth™. This can be achieved by simply changing out the high-performance wireless module, which is integrated into the top of the notebook. The award-winning MultiPort offers a cost effective means to migrate to future wireless standards as they become available.
Docking	Port Replicator and Advanced Port Replicator. The sleek, new port replicator and advanced port replicator designs provide simple and convenient port management. Features include NIC pass through, DVI, USB, and a 1394* digital port. Compatible across multiple platforms for lower total cost of ownership. (**NOTE:** 1394 not supported on N800w)
Service and Support	Compaq Services includes a Three-year, Worldwide Limited Warranty, pick-up or carry-in, upgrade to on-site warranty or additional two-year warranty available, and toll-free 7 x 24 hardware technical phone support. **NOTE:** Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. http://wwss1pro.compaq.com/support/warranty_upgrades/product_specific_warranty.asp

QuickSpecs

Standard Features

Naming Convention   The Etymology of a Model name:

- PRODUCT NAME (N800C)
- PROCESSOR (PENTIUM)
- PROCESSOR SPEED (220=2.20 GHz-M)
- DISPLAY (U=UXGA; P=SXGA+; 5=15-INCH)
- HARD DRIVE
- OPTICAL DRIVE (W=DVD/CD-RW; V=DVD; R=CD/RW)
- COMMUNICATION (M=MODEM; N=NIC; C=MODEM+NIC; OMITTED=NONE)
- MEMORY (12=128 MB; 25=256 MB; 38=384 MB; 51=512 MB; 10=1024 MB)
- OPERATING SYSTEM (O=MICROSOFT WINDOWS XP PROFESSIONAL; 2= MICROSOFT WINDOWS 2000)

N800W P 220 U5 60 W C 51 O

Models

N800WP220U560WC512

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Processor	2.2 GHz-M on Mobile Intel Pentium 4 processor	
Display	15-inch color TFT UXGA	
Cache Memory	512KB, L2 Cache	
Memory	Standard	512 MB (266 MHz) DDR SDRAM
	Maximum	2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM	
Optical Drive	24X DVD/CD-RW	
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC	
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound	
Operating System	Windows 2000	
Pointing Device	Dual Pointing Device and USB mouse	

N800WP220U560WC510

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Processor	2.2 GHz-M on Mobile Intel Pentium 4 processor	
Display	15-inch color TFT UXGA	
Cache Memory	512KB, L2 Cache	
Memory	Standard	512 MB (266 MHz) DDR SDRAM
	Maximum	2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM	
Optical Drive	24X DVD/CD-RW	
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC	
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound	
Operating System	Windows XP Pro	
Pointing Device	Dual Pointing Device and USB mouse	

Standard Features

N800WP200P540WC252

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory
Processor	2.0 GHz-M on Mobile Intel Pentium 4 processor
Display	15-inch color TFT UXGA
Cache Memory	512KB, L2 Cache
Memory	Standard 256 MB (266 MHz) DDR SDRAM
	Maximum 2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM
Optical Drive	24X DVD/CD-RW
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC
Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound
Operating System	Windows 2000
Pointing Device	Dual Pointing Device

N800WP200P540WC250

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory
Processor	2.0 GHz-M on Mobile Intel Pentium 4 processor
Display	15-inch color TFT UXGA
Cache Memory	512KB, L2 Cache
Memory	Standard 256 MB (266 MHz) DDR SDRAM
	Maximum 2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM
Optical Drive	24X DVD/CD-RW
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound
Operating System	Windows XP Pro
Pointing Device	Dual Pointing Device

		Series	Warranty	N800w	N800w	N800w
		Discrete Video / Video Memory		ATI M9 - 64MB	ATI M9 - 64MB	ATI M9 - 64MB
		Processor		2.2GHz P4-M	2.2GHz P4-M	2.2GHz P4-M
		LCD		15.0" UXGA	15.0" UXGA	15.0" UXGA
		Memory		512MB (1 DIMM	512MB (1 DIMM)	512MB (1 DIMM)
		HDD		60GB - 5400rpm	60GB - 5400rpm	60GB - 5400rpm
		Optical/ MultiBay		24X DVD/CDRW	24X DVD/CDRW	24X DVD/CDRW
		Comm		Modem (Indy) /NIC	Modem (Indy)/ NIC	Modem (Indy)/NIC
		Input		Dual Point Device	Dual Point Device	Dual Point Device

Standard Features

		Miscellaneous		USB scroll mouse	USB scroll mouse	
North America						
US	N800WP220U560WC512	Windows 2000	3-3-3	**470043-584**		
	N800WP220U560WC51O	Windows XP Pro	3-3-3	**470043-574**		
Fr Canada	N800WP220U560WC512	Windows 2000	3-3-3	**470043-588**		
	N800WP220U560WC51O	Windows XP Pro	3-3-3	**470043-575**		
Europe/Middle East/Africa						
Belgium	N800WP220U560WC512	Windows 2000	3-3-0		**470043-592**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-576**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-614**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-623**
France	N800WP220U560WC512	Windows 2000	3-3-0		**470043-596**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-578**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-615**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-624**
Germany	N800WP220U560WC512	Windows 2000	3-3-0		**470043-597**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-579**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-616**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-625**
Italy	N800WP220U560WC512	Windows 2000	3-3-0		**470043-598**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-580**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-617**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-626**
Netherlands	N800WP220U560WC512	Windows 2000	3-3-0		**470043-599**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-581**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-618**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-633**
Spain	N800WP220U560WC512	Windows 2000	3-3-0		**470043-600**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-583**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-619**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-634**
Switzerland (GR/FR/IT)	N800WP220U560WC512	Windows 2000	3-3-0		**470043-602**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-585**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-620**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-635**
UK	N800WP220U560WC512	Windows 2000	3-3-0		**470043-604**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-586**	
	N800WP200P540WC252	Windows 2000	3-3-0			**470043-621**
	N800WP200P540WC25O	Windows XP Pro	3-3-0			**470043-636**
LATIN AMERICA						
Latin America	N800WP220U560WC512	Windows 2000	3-3-0		**470043-605**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-587**	

Standard Features

Latin America/ NAFTA	N800WP220U560WC512	Windows 2000	3-3-0			
	N800WP220U560WC51O	Windows XP Pro	3-3-0			
ASIA PACIFIC and GREATER CHINA						
Australia	N800WP220U560WC512	Windows 2000	3-3-0		**470043-606**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-589**	
Asia Pacific	N800WP220U560WC512	Windows 2000	3-3-0		**470043-608**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-590**	
PRC Chinese	N800WP220U560WC512	Windows 2000	3-3-0		**470043-609**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-591**	
Taiwan	N800WP220U560WC512	Windows 2000	3-3-0		**470043-610**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-593**	
Hong Kong	N800WP220U560WC512	Windows 2000	3-3-0		**470043-611**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-594**	
Korea	N800WP220U560WC512	Windows 2000	3-3-0		**470043-612**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0		**470043-595**	

N800WP220U560WC512

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Processor	2.2 GHz-M on Mobile Intel Pentium 4 processor	
Display	15-inch color TFT UXGA WVA	
Cache Memory	512KB, L2 Cache	
Memory	Standard	512 MB (266 MHz) DDR SDRAM
	Maximum	2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM	
Optical Drive	24X DVD/CD-RW	
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC	
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound	
Operating System	Windows 2000	
Pointing Device	Dual Pointing Device and USB mouse	

Standard Features

N800WP220U560WC51O

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Processor	2.2 GHz-M on Mobile Intel Pentium 4 processor	
Display	15-inch color TFT UXGA WVA	
Cache Memory	512KB, L2 Cache	
Memory	Standard	512 MB (266 MHz) DDR SDRAM
	Maximum	2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM	
Optical Drive	24X DVD/CD-RW	
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC	
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound	
Operating System	Windows XP Pro	
Pointing Device	Dual Pointing Device and USB mouse	

N800WP220U560WC512

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Processor	2.2 GHz-M on Mobile Intel Pentium 4 processor	
Display	15-inch color TFT UXGA WVA	
Cache Memory	512KB, L2 Cache	
Memory	Standard	256 MB (266 MHz) DDR SDRAM
	Maximum	2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM	
Optical Drive	24X DVD/CD-RW	
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC	
Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound	
Operating System	Windows 2000	
Pointing Device	Dual Pointing Device	

N800WP220U560WC51O

Graphics	ATI Fire GL 9000 with full 3D OpenGL support, 64MB DDR video memory	
Processor	2.2 GHz-M on Mobile Intel Pentium 4 processor	
Display	15-inch color TFT UXGA WVA	
Cache Memory	512KB, L2 Cache	
Memory	Standard	256 MB (266 MHz) DDR SDRAM
	Maximum	2 GB (266 MHz) DDR SDRAM (when available)
Hard Drive	60-GB 5400 RPM	
Optical Drive	24X DVD/CD-RW	
Communications	Type III Mini PCI 56K (V.92) modem, (LOM) integrated 10/100 NIC	
Audio	JBL Pro Speakers with bass reflex and 16-bit stereo sound	
Operating System	Windows XP Pro	
Pointing Device	Dual Pointing Device	

Standard Features

		Series	Warranty	N800w	N800w	N800w	N800w
		Discrete Video/ Video Memory		ATI M9 - 64MB	ATI M9 - 64MB	ATI M9 - 64MB	ATI M9 - 64MB
		Processor		2.2GHz P4-M	2.2GHz P4-M	2.2GHz P4-M	2.2GHz P4-M
		LCD		15.0" UXGA WVA	15.0" UXGA WVA	15.0" UXGA WVA	15.0" UXGA WVA
		Memory		512MB (1 DIMM)	512MB (1 DIMM)	512MB (1 DIMM)	512MB (1 DIMM)
		HDD		60GB - 5400rpm	60GB - 5400rpm	60GB - 5400rpm	60GB - 5400rpm
		Optical/ MultiBay		24X DVD/ CDRW	24X DVD/ CDRW	24X DVD/ CDRW	24X DVD/ CDRW
		Comm		Modem (Indy)/NIC	Modem (Indy)/NIC	Modem (Indy)/NIC	Modem (Indy)/NIC
		Input		Dual Point Device	Dual Point Device	Dual Point Device	Dual Point Device
		Operating System		Windows 2000	Windows XP Pro	Windows 2000	Windows XP Pro
		Battery		8-cell 4.4Ah	8-cell 4.4Ah	8-cell 4.4Ah	8-cell 4.4Ah
		Miscellaneous		USB scroll mouse	USB scroll mouse	USB scroll mouse	USB scroll mouse
		Warranty		3-3-3	3-3-3	3-3-0	3-3-0
North America							
US	N800WP220U560WC512	Windows 2000	3-3-3	**470052-128**			
	N800WP220U560WC51O	Windows XP Pro	3-3-3		**470052-361**		
Fr Canada	N800WP220U560WC512	Windows 2000	3-3-3	**470052-421**			
	N800WP220U560WC51O	Windows XP Pro	3-3-3		**470052-422**		
Europe/Middle East/Africa							
Belgium	N800WP220U560WC512	Windows 2000	3-3-0			**470052-362**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-402**
Denmark	N800WP220U560WC512	Windows 2000	3-3-0			**470052-363**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-403**
Europe, Int'l	N800WP220U560WC512	Windows 2000	3-3-0			**470052-364**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-404**
France	N800WP220U560WC512	Windows 2000	3-3-0			**470052-365**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-405**
Germany	N800WP220U560WC512	Windows 2000	3-3-0			**470052-366**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-406**
Italy	N800WP220U560WC512	Windows 2000	3-3-0			**470052-367**	

Standard Features

	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-408**
Netherlands	N800WP220U560WC512	Windows 2000	3-3-0			**470052-368**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-409**
Spain	N800WP220U560WC512	Windows 2000	3-3-0			**470052-369**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-410**
Sweden/ Finland	N800WP220U560WC512	Windows 2000	3-3-0			**470052-375**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-411**
Switzerland (GR/FR/IT)	N800WP220U560WC512	Windows 2000	3-3-0			**470052-385**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-412**
UK	N800WP220U560WC512	Windows 2000	3-3-0			**470052-387**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-413**
LATIN AMERICA							
Latin America	N800WP220U560WC512	Windows 2000	3-3-0			**470043-605**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-414**
ASIA PACIFIC and GREATER CHINA							
Australia	N800WP220U560WC512	Windows 2000	3-3-0			**470052-390**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-415**
Asia Pacific	N800WP220U560WC512	Windows 2000	3-3-0			**470052-392**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-416**
PRC Chinese	N800WP220U560WC512	Windows 2000	3-3-0			**470052-393**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-417**
Taiwan	N800WP220U560WC512	Windows 2000	3-3-0			**470052-396**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-418**
Hong Kong	N800WP220U560WC512	Windows 2000	3-3-0			**470052-397**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-419**
Korea	N800WP220U560WC512	Windows 2000	3-3-0			**470052-399**	
	N800WP220U560WC51O	Windows XP Pro	3-3-0				**470052-420**

Standard Features

| Japan | N800WP220U560WC512 | Windows 2000 | 3-3-0 | | | 470052-401 | |

Options

Memory		
	1-GB (266 MHz) DDR SDRAM Memory Upgrade	314114-B25
	512-MB (266 MHz) DDR SDRAM Memory Upgrade	269087-B25
	256-MB (266 MHz) DDR SDRAM Memory Upgrade	269086-B25
	128-MB (266 MHz) DDR SDRAM Memory Upgrade	269085-B25

Monitors		
	TFT8030 Flat Panel Color 18-inch (carbon/silver)	234362-xxx
	TFT7020 Flat Panel Color 17-inch with integrated speakers (carbon/silver)	253217-xxx
	TFT5015 Flat Panel Color 15-inch (carbon/silver)	234044-xxx
	TFT5030 Flat Panel Color 15-inch (carbon/silver)	228134-xxx
	V720 17-inch CRT (carbon/silver)	232944-xxx
	S720 17-inch CRT (carbon/silver)	239287-xxx
	V570 15-inch CRT (carbon/silver)	228113-xxx

MultiBay Hard Drives		
	60-GB 5400 rpm SMART Hard Drive	278420-B25
	40-GB 4200 rpm SMART Hard Drive	263472-B25
	30-GB 4200 rpm SMART Hard Drive	212791-B25

MultiBay Storage Devices		
	24X Combo DVD/CD-RW	269089-B25
	16X CD-RW	269088-B25
	8X DVD Drive	138230-B25
	24X Max CD-ROM	298452-B25
	Diskette Drive	226935-B25

Other Storage Devices		
	IBM 1-GB Microdrive (PC card Device)	217390-B25
	USB Disk-on-Key – 8 MB	249552-B25
	USB Diskette drive	230330-B25

Connectivity		
	Compaq Type III Mini PCI 56K (V.90) Modem	225640-B31
	Compaq M420 56K Global Modem	317900-001
	10/100 TX PC Card UTP Controller	335506-B21
	100BaseTX Ethernet Upgrade	225435-001

NOTE: Designed only to allow faster downloads from V.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions.

Wireless Connectivity		
	802.11b MultiPort Wireless LAN module	233412-001
	Bluetooth MultiPort module	228057-B21
	Compaq WL110 Wireless LAN PC Card	191808-B21
	Compaq WL510 Wireless Enterprise Access Point	216709-001
	Compaq WL410 Wireless SMB Access Point	191811-001
	Compaq WL310 Home Office Access Point	191813-001
	Compaq Range Extender Antenna	230268-B21

QuickSpecs

Options

Expansion Bases	Port Replicator		307648-xx1
	Advanced Port Replicator		307651-xx1
	External MultiBay		217388-001/B31
	Advanced Port Replicator Monitor Stand		274407-B25

Power	Evo mobile workstation N800w	8 Cell primary battery (4.4Ah)	278418-B25

Common Power Solutions	MultiBay Battery (8-cells)	265651-B25
	External Battery Charger	265603-xxx
	External Battery Charger (Multiple Battery)	265604-xx1
	AC Adapter 90W	283884-xx1
	Aircraft Power Adapter 90W	291370-B25
	AC Line Cord (10-ft/3.1 m)	217932-xx2

Input Devices	External Enhanced III Keyboard (carbon)	118003-008
	Compaq 2 Button Mouse (carbon)	103180-B21
	USB 2 Button Scroll Mouse (carbon)	195255-B25
	External 10-Key Numeric Keypad (carbon) *	294317-B21
	USB EZ Access Keyboard	222726-xxx
	Wireless Keyboard and Mouse	251385-xx8

NOTE: * = Requires the Port Replicator or Advanced Port Replicator.

Security	Biometric PC Card	146805-B25
	Security Cable Lock	294316-B21
	Compaq Smart Card PC Card Reader	135646-B25

Carrying Cases	Compaq Ultralight Case (nylon)	167336-B21
	Compaq Ultralight Case (leather)	242359-B25
	Compaq Plus Case	242360-B25
	Compaq Professional Case (nylon)	242361-B25
	Compaq Professional Case (leather)	242362-B25

Memory

Compaq Evo N800W

Standard Memory Plus Optional Memory

Support for up to 2048 MB of DDR SDRAM memory is available with the installation of optional DDR SDRAM Memory Kits.

Memory	Slot 1	Slot 2
256 MB	256 MB	-
384 MB	256 MB	128 MB
512 MB	512 MB	-
768 MB	512 MB	256 MB
1024 MB	512 MB	512 MB
1024 MB	1024 MB	-
1536 MB	1024 MB	512 MB
2048 MB	1024 MB	1024 MB

NOTE: This chart does not represent all possible memory configurations. Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only Compaq branded memory modules to ensure compatibility.

Following are memory options available from Compaq:

1-GB (266 MHz) DDR SDRAM Memory Upgrade	314114-B25
512-MB (266 MHz) DDR SDRAM Memory Upgrade	269087-B25
256-MB (266 MHz) DDR SDRAM Memory Upgrade	269086-B25
128-MB (266 MHz) DDR SDRAM Memory Upgrade	269085-B25

QuickSpecs

Storage
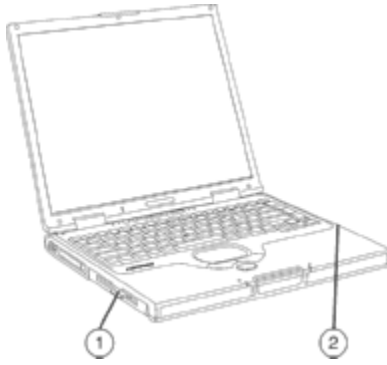
1. MultiBay
2. Primary Hard drive

Drive Support

System Drive Support	Quantity Supported	Drive Supported
1.44-MB Diskette Drive	1	MultiBay
DVD/CD-RW Combo Drive	1	MultiBay
CD-RW Drive	1	MultiBay
DVD-ROM Drive	1	MultiBay
Max CD-ROM Drive	1	MultiBay
Hard Drives		
60-GB 5400 rpm SMART Hard Drive	1	Dedicated hard drive bay
40-GB 4200 rpm SMART Hard Drive	1	Dedicated hard drive bay
30-GB 4200 rpm SMART Hard Drive	1	Dedicated hard drive bay

QuickSpecs

Technical Specifications

System Unit			
	Dimensions (HxWxD)	15-inch TFT panel displays	1.4 x 12.9 x 10.5 in (3.6 x 32.8 x 26.7 cm)
	Weight	15-inch LCD, weight saver, 1 SODIMM	6.0 lb (2.72 kg*)
		15-inch LCD, CD-RW, DVD or CD-ROM, 1 SODIMM	6.6 lb (2.98 kg*)
	NOTE: * = Weight varies by configuration.		
	Stand-Alone Power Requirements	Nominal Operating Voltage (Li-Ion)	14.4 V (8-cell)
		Average Operating Power	15.8 W
		Peak Operating Power	38 W
		Power in suspend mode	< 800 mW
		Power in hibernation mode	< 100 mW
	Power Supply	Rated Input Voltage	90 to 264 VAC
		Rated Input Current	< 60 W
		Rated Frequency	50 to 60 Hz
	Temperature	Operating	50° to 95° F (10° to 35° C)
		Non-operating	14° to 140° F (–10° to 60° C)
	Relative Humidity	Operating	10% to 90% relative humidity, non-condensing
		Non-operating	5% to 90% relative humidity, 101.6° F (38.7° C) Maximum wetbulb temperature
	Shock	Operating	10 G, 11 ms, half-sine
		Non-operating	60 G, 11 ms, half-sine
	Vibration	Operating	0.5 G zero-to-peak, 10 to 500 Hz, 0.25 oct/min sweep rate
		Non-operating	1.0 G, zero-to-peak, 10 to 500 Hz, 0.5 oct/min sweep rate
	Maximum Altitude (unpressurized)	Operating	0 to 10,000 ft (0 to 3,048 m)
		Non-operating	0 to 30,000 ft (0 to 9,144 m)

QuickSpecs

Compaq Evo Mobile Workstation N800

Technical Specifications

15-Inch Color TFT UXGA Display	**Dimensions** (H x W)	11.8 x 9.0 in (30.4 x 22.8 cm)	
	Diagonal Size	15.0 in (38.0 cm)	
	Mounting	Internal Panel Supports, Side Mounted	
	Number of Colors	Up to 16.8 M	
	Contrast Ratio	150:1	
	Brightness	140nt typ	
	Pixel Resolution	Pitch	0.191 x 0.191 mm
		Format	1600 x 1200
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Character Display	80 x 25	
	Total Power Consumption	6.5 W	
	Viewing Angle	+/-35° degrees Horizontal, +15° /-35° Vertical (typical)	

15-Inch Color TFT UXGA Display with wide viewing angle	**Dimensions** (H x W)	11.8 x 9.0 in (30.4 x 22.8 cm)	
	Diagonal Size	15.0 in (38.0 cm)	
	Mounting	Internal Panel Supports, Side Mounted	
	Number of Colors	Up to 16.8 M	
	Contrast Ratio	250:1	
	Brightness	140nt typ	
	Pixel Resolution	Pitch	0.191 x 0.191 mm
		Format	1600 x 1200
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Character Display	80 x 25	
	Total Power Consumption	6.5 W	
	Viewing Angle	+/-85° degrees Horizontal, +15° /-35° Vertical (typical)	

15-Inch Color TFT SXGA+ Display	**Dimensions** (H x W)	11.8 x 9.0 in (30.4 x 22.8 cm)	
	Diagonal Size	15.0 in (38.0 cm)	
	Mounting	Internal Panel Supports, Side Mounted	
	Number of Colors	Up to 16.8 M	
	Contrast Ratio	150:1	
	Brightness	150nt typ	
	Pixel Resolution	Pitch	0.218264 x 0.218264 mm
		Format	1280 x 1024
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Character Display	80 x 25	
	Total Power Consumption	5.75 W	
	Viewing Angle	+/-35° degrees Horizontal, +15° /-35° Vertical (typical)	

DA - 11454   Worldwide QuickSpecs — Version 16 — 12.10.2003

Page 20

QuickSpecs

Technical Specifications

Hard Drives

80-GB 4200 rpm	**MultiBay Drive Adapter**	Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
		Weight	0.15 lb (70 g)
	Drive Weight	0.22 lb (99 g)	
	Capacity	80 GB	
	Height	0.374 in (9.5 mm)	
	Width	70 mm	
	Interface	ATA-5	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
		Security	ATA Security
	Seek Time (typical reads, including settling)	Single Track	3.0 ms
		Average	132 ms
		Maximum	24 ms
	Rotational Speed	4200 rpm	
	Logical Blocks	156,301,488	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	Security	ATA Security

60-GB 5400 rpm	**MultiBay Drive Adapter**	Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
		Weight	0.15 lb (70 g)
	Drive Weight	0.34 lb (155 g)	
	Capacity	60 GB	
	Height	0.374 in (9.5 mm)	
	Width	70 mm	
	Interface	ATA-5	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
		Security	ATA Security
	Seek Time (typical reads, including settling)	Single Track	2.5 ms
		Average	12 ms
		Maximum	23 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	117,210,240	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	Security	ATA Security

Technical Specifications

50-GB 7200 rpm	**MultiBay Drive Adapter** Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
	Weight	0.15 lb (70 g)
	Drive Weight 0.29 lb (130 g)	
	Capacity 50 GB	
	Height 0.374 in (9.5 mm)	
	Width 2.75 in (70 mm)	
	Interface ATA-5	
	Transfer Rate Synchronous (maximum)	100 MB/s (Drive Capability)
	Security	ATA Security
	Seek Time (typical reads, including settling) Single Track	2.0 ms
	Average	12 ms
	Maximum	22 ms
	Rotational Speed 7200 rpm	
	Logical Blocks 97,696,368	
	Operating Temperature 41° to 131° F (5° to 55° C)	
	Features Security	ATA Security

40-GB 4200 rpm	**MultiBay Drive Adapter** Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
	Weight	0.15 lb (70 g)
	Drive Weight 0.22 lb (99 g)	
	Capacity 40 GB	
	Height 0.374 in (9.5 mm)	
	Width 2.75 in (70 mm)	
	Interface ATA-5	
	Transfer Rate Synchronous (maximum)	100 MB/s (Drive Capability)
	Security	ATA Security
	Seek Time (typical reads, including settling) Single Track	3.0 ms
	Average	13 ms
	Maximum	25 ms
	Rotational Speed 4200 rpm	
	Logical Blocks 78,140,160	
	Operating Temperature 41° to 131° F (5° to 55° C)	
	Features Security	ATA Security

Technical Specifications

30-GB 4200 rpm	MultiBay Drive Adapter	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.15 lb (70 g)
	Drive Weight	0.22 lb (99 g)	
	Capacity	30 GB	
	Height	0.374 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-5	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
		Security	ATA Security
	Seek Time (typical reads, including settling)	Single Track	2.5 ms
		Average	12 ms
		Maximum	23 ms
	Rotational Speed	4200 rpm	
	Logical Blocks	58,605,120	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	Security	ATA Security

External AC Adapter	Weight	0.88 lb (0.399 kg)	
	Power Supply (Input)	Operating Watts	90
		Operating Voltage	100 to 240 VAC RMS
		Operating Current	1.5 A RMS
		Operating Frequency Range	47 to 63 Hz AC
		Maximum Transient	4/50 kV

Lithium-Ion Battery Pack (8-cell)	Dimensions (L x W x D)	4.95 x 3.46 x 0.80 in (12.5 x 8.8 x 2.0 cm)	
	Weight	0.96 lb (0.43 kg)	
	Energy	Voltage	14.8 V
		Amp-hour capacity	Minimum 3.7 Ah Typical 3.9 Ah
		Watt-hour capacity	Minimum 53.2 Ah Typical 56.1 Ah
	Temperature	Operating	32° to 108°F (0° to 42°C)
		Non-operating	32° to 140°F (0° to 60°C)

QuickSpecs

Technical Specifications

24X DVD/CD-RW Combo Drive			
	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.74 lb (0.33 kg)
	Center Hole Diameter	3.9 cm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 µm	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 225 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB (minimum)	
	Data Transfer Rate (typical, including settling)	CD-R (24X)	3600 KB/s (150 KB/s at 1X CD rate)
		CD-RW (10X)	1500 KB/s (150 KB/s at 1X CD rate)
		CD-ROM (24X)	3600 KB/s (150 KB/s at 1X CD rate)
		DVD (8X)	10,800 KB/s (1352 KB/s at 1X DVD rate)
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	Stop Time	< 6seconds	

16X CD-RW Drive			
	MultiBay Drive	Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
		Weight	0.74 lb (0.33 kg)
	Center Hole Diameter	1.5 cm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 µm	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 225 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB	
	Data Transfer Rate (typical, including settling)	CD-R (24X)	2400 KB/s
		CD-RW (10X)	1200 KB/s
		CD-ROM (24X)	3600 KB/s
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	Stop Time	< 6 seconds	

QuickSpecs

Technical Specifications

8X DVD-ROM Drive	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.66 lb (0.3 kg)
	Center Hole Diameter	1.5 cm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 µm	
	Access Times (typical reads, including settling)	Random (typical)	< 150 ms DVD Media
		Full-Stroke (typical)	< 225 ms DVD Media
		Random (typical)	< 110 ms CD Media
		Full-Stroke (typical)	< 200 ms CD Media
	Cache Buffer	512 KB/s (minimum)	
	Data Transfer Rate (typical, including settling)	Max 24X CD	3600 KB/s (150 KB/s at 1X CD rate)
		Max 8X DVD	10,800 KB/s (1352 KB/s at 1X DVD rate)
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 10 seconds	Single Session CD-ROM
	Stop Time	< 3 seconds	

24X CD-ROM Drive	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.50 lb (0.22 kg)
	Applicable Disk	CD-ROM (Mode 1, 2 and 3), CD-XA ready (Mode 2, Form 1 and 2), CD-I ready (Mode 2, Form 1 and 2), CD-R (read only), CD Plus, Photo CD (Single and Multi-session), CD-Extra, Video CD, CD-WO (fixed packets only), CD-Bridge	
	Center Hole Diameter	15 mm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	1.6 µm	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 300 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB	
	Data Transfer Rate (typical, including settling)	Sustained (16X)	2400 KB/s
		Variable	1500 to 3600 KB/s (10X to 24X)
		Normal PIO Mode 4 (single burst)	16.66 MB/s
	Start-up Time	< 8 seconds	
	Stop Time	< 4 seconds	

Technical Specifications

MultiBay Diskette Drive	**MultiBay Drive**	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.51 lb (230 g)
	Diskette Size	3.5 in	
	Height	12.7 mm	
	Bytes per Sector	512	
	Sectors per track	High density	18 (1.44 MB)/15 (1.2 MB)
		Low density	9
	Tracks per side	High density	80 (1.44 MB)/80 (1.2 MB)
		Low density	80
	Read/Write heads	2	
	Access Times	Track-to track (high/low)	3 ms/6 ms
		Average (high/low)	94 ms/174 ms
		Settling time	15 ms
		Latency average	100 ms

802.11b MultiPort Module	**Form Factor**	Compaq "MultiPort"	
	Weight	0.22 lb (100 g) (maximum)	
	Operating Temperature	Operating	14° to 149° F (–10° to 65° C)
	Storage Temperature	Non-operating	–40° to 176° F (–40° to 80° C)
	Humidity	Operating	10% to 90%
		Non-operating	5% to 95%
	Altitude	Operating	0 to 15,000 ft (4,572 m)
		Non-operating	0 to 40,000 ft (12,192 m)
	Plug and Play	USB 1.1 compliant Microsoft Windows Plug and Play compliant	
	RF Network Standard	IEEE 802 Part 11b (802.11b)	
	Frequency Band	2,4000 to 2.4835 GHz 2,4465 to 2.4835 GHz (France) 2,4000 to 2,4697 GHz (Japan)	
	Number of Selectable Sub-channels	**Worldwide Certification**	
		United States (FCC)	11
		France (FR)	4
		Japan (JP)	14
		Other countries	13
	Data Rates	1, 2, 5.5, 11 Mbps	
	Antenna type	Internally integrated within module (with special polarization diversity)	
	WEP Security	64-bit encryption keys compliant to IEEE 802.11 128-bit encryption key compliant to IEEE 802.11 Ability to enter keys manually or via pass-phrase	
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Points Required)	
	Modulation Technique	Direct Sequence Spread Spectrum: DBPSK, DQPSK, CCK	
	Receiver Sensitivity – Bit Error Rate (1E-5)	11 Mbps: -85 dBm 5.5 Mbps: -87 dBm 2 Mbps: -91 dBm 1 Mbps: -94 dBm	

Technical Specifications

Maximum Receive Level	–4 dBm
Output Power (approximately)	18 dBM
Operating Voltage	5V power operation
Power Management	Keystroke Fn+F2 Power On/Off control
Power Consumption	Transfer mode: < 600 mA, maximum Receive mode: > 400 mA, maximum Standby mode: > 1 mA, maximum
Transmit Power	10 to 100mW (It is preferable to have the user configurable output power to save battery life for laptop users or in high AP coverage areas)
Power Saving Option	802.11 Compliant Power Saving Power Saving Mode selectable through the configuration utility ACPI compliant power management
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
OS Support	Microsoft Windows 98/98SE Microsoft Windows 2000 Microsoft Windows Millennium
Protocols Supported	TCP/IP IPX/SPX UDP
LED Activity	Flashing LED – AP Search Mode Solid LED – On LED Off – Power Off

	Throughput	**Data Rate**	**Operating Distance**
Throughput, Data Rate and Operating Distance	> 4.5 Mbps	11 Mbps	• 1000 feet – Open sight • 100 feet – Closed space (Steel Space)
	> 2 Mbps	5.5 Mbps	• 1100 feet – Open sight • 200 feet – Closed space (Steel Space)
	> 700 Kbps	1 Mbps	• 1200 feet – Open sight • 300 feet – Closed space (Steel Space)

Bluetooth MultiPort Module	**Form Factor**	Compaq "MultiPort"
	Bluetooth	1.1 Compliant
	Dimensions	2.2 x 6.6 x 0.55 in (5.6 x 16.7 x 1.4 cm)
	Weight	0.22 lb (100 g) (maximum)
	Temperature	Operating — 50° to 104° F (10° to 40° C) Non-operating — –4° to 140° F (–20° to 60° C)
	Humidity	Operating — 10% to 90% Non-operating — 5% to 95%
	Altitude	Operating — 0 to 10,000 ft (3,048 m) Non-operating — 0 to 30,000 ft (9,144 m)
	Plug and Play	USB 1.1 compliant Microsoft Windows Plug and Play compliant
	Frequency Band	2.4000 to 2.4835 GHz
	Number of Available Channels	79 (1 MHz) available channels

QuickSpecs

Technical Specifications

Data Rates and throughput	1 Mbps Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Asynchronous Connection Less links 723.2 kbps/57.6 kbps asymmetric or 433.9 kbps symmetric
Antenna type	Internally integrated within module (with special polarization diversity)
Range	328 ft (100 m)
Profile Support	General Access Profile Service Discovery Application Profile Serial Port Profile Generic Object Exchange Profile File Transfer Profile Synchronization Profile Dial-Up Networking Profile LAN Access Profile Object Push Profile
Usage Models	Service Discovery (determine what Bluetooth devices are within range and support authorization) **Synchronization**: PDAs to PCs Portable to Desktop **File Transfer:** File and directory browsing and navigation on another Bluetooth device. File copying Object manipulation – including add, delete, create new folders etc. Wireless link to Corporate LAN using several Bluetooth devices sharing the same **Access Point:** Corporate email, network neighborhood, access to LAN applications, file transfer, ftp, Internet browsing, etc, using TCP/IP Wireless link to WAN thru cell phone GSM/SMS, PCS, PHS, DECT, RAM, ARDIS, CDPD, etc. Agnostic to WAN technology Send/receive SMS messages Wireless link to Printer Adhoc peer to peer networking (two computers) or Personal Area Networking (PAN) using NDIS (< 7 computers) Adhoc Bluetooth Pico-networking (point to multi-point) Object Push – Business card or appointment exchange
Transmit Power	< 20 dBM (Bluetooth Class 1)
Receive Sensitivity	Better than –70 dBM at 0.1 % raw bit error rate
Link Topology	Point to Point, Multipoint Pico Nets up to 7 slaves
Security	Full support of Bluetooth Security Provisions
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Points Required)
Power Requirement	Peak < 1500 mW Average < 500 mW Standby < 250 mW
Power Management	Microsoft Windows ACPI, and USB Bus Support Keystrokes Fn+F2 Power On/Off control Self configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff

Technical Specifications

OS Support	Microsoft Windows XP Professional Microsoft Windows 2000 Microsoft Windows 98/98SE Microsoft Windows Millennium
Protocols Supported	TCP/IP IPX/SPX UDP
LED Activity	Solid Blue LED – On LED Off – Power Off
Certifications	All necessary regulatory approvals for countries we support including FCC (47 CFR) Part 15C, Section 15.247 & 15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark

Type III Mini PCI 56K (V.92) **Modem**	**Form Factor**	Mini-PCI Type III per Specification
	Power Management Support	APM Revision 1.2, ACPI, Compaq Power Management Extensions for Microsoft Windows NT®
	Approvals/ Certifications	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries
	Data Mode Capabilities	V.90 (a-law, mu-law) K56flex (a-law, mu-law) V.8bis V.80 V42.bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) V.34 (file date: 10/96) **Optional symbol rates:** 2800, 3429 Asymmetric Symbol rates **Synchronous primary channel data signaling rates:** 3600, 31200 Automatic rate re-negotiation V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J
	Fax Mode Capabilities	TIA-578-S (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter V.21 Channel 2
	Command Set	V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, +ILRR Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM

Technical Specifications

Data compression: +DS, +DR
V.251

Integrated 10/100 NIC	NIC Device Driver Name	Intel PRO/100 P Mobile Combo Adapter
	Data Link Layers	IEEE 802.2 LLC SNAP
	Ethernet Features	10 Mbps Ethernet: IEEE 802.3 standard 10BASE-T 100 Mbps Ethernet: IEEE 802.3u standard 100BASE-TX Full Duplex at 10 and 100Mbps Auto-Negotiation Wake on LAN from all power managed states, including soft off (S5) Boot on LAN from OFF Lower Power State on Link Loss
	Software support	IBM LAN Server Version 1.2, 1.3, 2.0, 4.0 Microsoft NT 3.51, NT 4.0. Microsoft Windows 2000 Novell® Netware® 3.1x, 4.x, 5.x
	Protocol support	TCP/IP Novell IPX/SPX and Microsoft compatible Novel IPX ODI Microsoft NetBEUI IBM DLC