

## Overview

### What's New

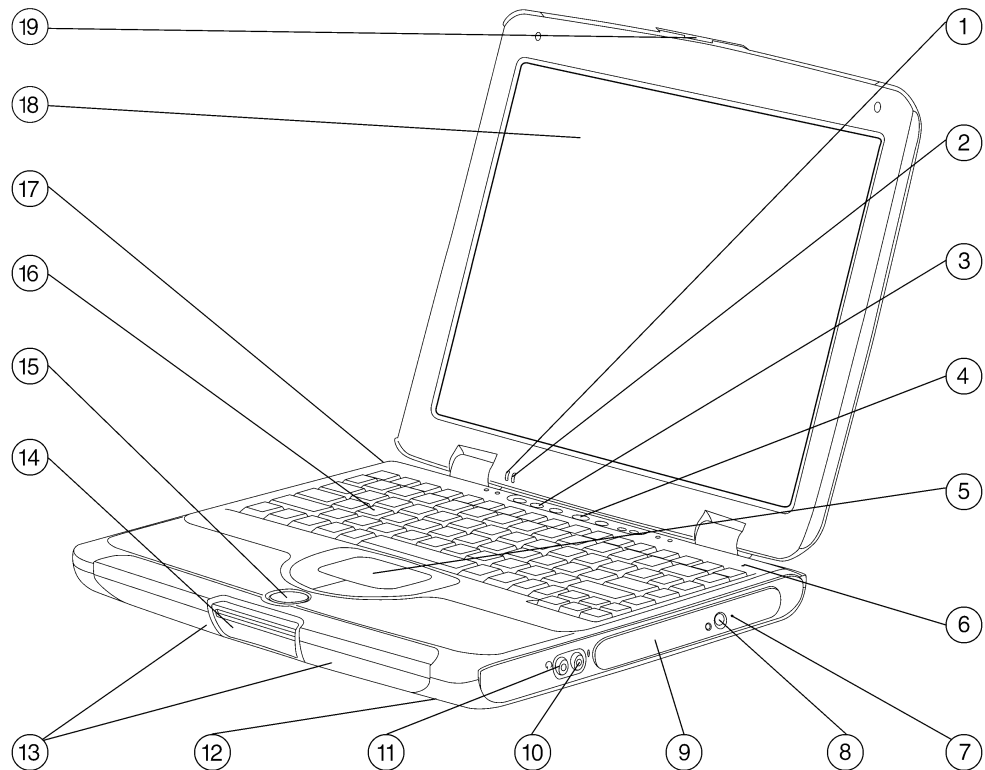
- AMD Athlon™ 4 and Duron™ processors with PowerNow!™ Technology
- Easy Access Buttons

### At A Glance

- Weighs only 6.4 lb/2.9 kg
- 1.6 in/4.1 cm thin
- Large 14.1 or 13.3-inch XGA TFT display
- 128-MB or 256-MB SDRAM (133 MHz) upgradeable to 384 MB
- Integrated Mini PCI 56K V.92 modem plus 10/100 NIC
- Complete set of system ports including 2 USB port expansion options
- Type I, II or III PC Card Slot
- Full-size keyboard with Touchpad
- Microsoft® Windows® XP Pro or Home Edition pre-installed
- Protected by a one-year, Worldwide Limited Warranty — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

### What's Special

- All-In-One three-spindle design with AMD processors
- S-Video (TV-OUT)
- Integrated 10/100 NIC



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|------------------------------------|---|
| 1. AC Power Light/Standby          | 11. Headphone Jack                                |
| 2. Battery Light                   | 12. Primary Hard Drive and Battery under the unit |
| 3. Easy Access Buttons             | 13. Stereo Speakers                               |
| 4. Power Switch                    | 14. Display Release Latch                         |
| 5. Touch Pad                       | 15. 4-Way Internet Scroll Button                  |
| 6. Lid Switch                      | 16. Keyboard                                      |
| 7. Manual Optical Drive Eject Hole | 17. Security Lock Slot                            |
| 8. Optical Drive Eject Button      | 18. TFT Color Display                             |
| 9. Fixed Optical Drive             | 19. Display Release Tab                           |
| 10. Microphone Jack                |   |

### Standard Features

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<b>Processor and Panel</b>	14.1-inch TFT XGA display with 1024 x 768 resolution up to 16M colors Athlon 4 1600+ (1.4GHz)/256 KB L2 cache Athlon 4 1.2GHz/256 KB L2 cache 13.3-inch TFT XGA display with 1024 x 768 resolution up to 16M colors Duron 1.2 GHz/64 KB L2 cache <b>NOTE:</b> Mobile AMD Athlon 4 and Duron processors support PowerNow! technology.
<b>Memory</b>	Standard 128 MB (133 MHz) SDRAM Maximum 384 MB (133 MHz) SDRAM <b>NOTE:</b> 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.
<b>Communications</b>	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC <b>NOTE:</b> 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. <b>NOTE:</b> Communication availability is subject to country regulatory approval.
<b>Keyboard</b>	Full-size desktop-compatible keyboard, special feature hotkeys for instant access to toggling between internal and external, or simultaneous displays and brightness. Oversized keys and separate cursor control keys (88 keys) – 101-key compatible Windows Key
<b>Easy Access Internet Buttons</b>	The <i>Evo</i> ™ Notebook N115 comes with four Easy Access Buttons designed to increase customer productivity by providing one-touch access to helpful Compaq information, favorite Internet destinations, files, or applications.
<b>Pointing Device</b>	Touchpad
<b>PC Card Slots</b>	One (1) Type I, II, III PC Card Slot that supports both 32-bit CardBus and 16-bit PCMCIA Cards
<b>Storage</b>	Diskette Drives 1.44 MB Floppy Drive Fixed Optical Drives DVD/CD-RW combo, DVD-ROM or CD-ROM Drive Hard Drive 20-GB or 30-GB
<b>Multimedia</b>	JBL Pro speakers for enhanced stereo audio Integrated 16-bit Sound Blaster Pro-compatible stereo audio Integrated speaker External volume controls Headphone-out Microphone in Software MPEG1 support DVD movie playback software DVD-ROM Drive with DVD movie playback 4X AGP graphics 16 MB shared system memory. User upgradeable from 8 to 32 MB

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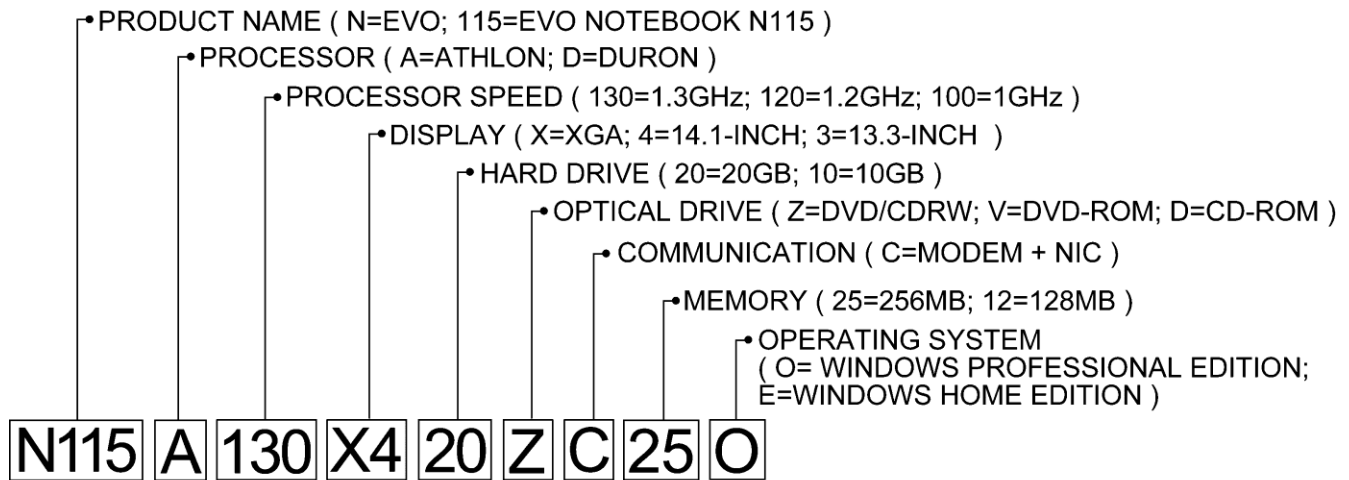
### Standard Features

<b>Interfaces</b>	PC Card Slot 1 Type I, II, III USB 1.1 Connectors 2 Parallel SPP/ECP standard interface; (DB25 connector) 1 PS/2 Style Mouse or Keyboard port 1 RJ-45 Ethernet jack 1 RJ-11 modem jack 1 Audio ports (headphone/speaker-out, microphone in) 2 S-Video TV-out 1 External VGA monitor port 1
<b>Graphics</b>	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory Video memory is user configurable from 8 MB to 32 MB and is shared with system memory
<b>Display (External)</b>	Up to 32-bit per pixel color depth Supports 1024 x 768 resolutions up to 100-Hz refresh rate, depending on monitor capability, resolution and color depth settings
<b>Display (Internal)</b> <i>One of the following:</i>	14.1-inch TFT XGA display with 1024 x 768 resolution up to 16.7M colors 13.3-inch TFT XGA display with 1024 x 768 resolution up to 16.7M colors
<b>Operating System</b> <i>One of the following:</i>	Microsoft Windows XP Professional Edition pre-installed Microsoft Windows XP Home Edition pre-installed
<b>Software</b>	Online Safety and Comfort Guide Online User's Guide Norton Anti Virus DVD Playback SW (DVD models only)
<b>System Recovery</b>	Each unit is shipped with a CD kit for quick recovery (erases hard disk and restores manufacturer-installed image) and software recovery (installs only selected standard software).
<b>Security</b>	Cable lock support Power-On Password Supervisor Password
<b>Power Supply</b>	External AC Adapter; 6-foot/1.8-meter power cord included
<b>Battery</b>	The <i>Evo</i> Notebook N115 8-cell Lithium-Ion battery provides over two hours of battery life.
<b>Power Conservation</b>	AMD PowerNow! technology (allows a Battery Optimized Mode where CPU runs at 500 MHz. Reduced frequency of MHz and voltage will maximize battery life.) Hibernation Instant-on through Standby Three custom levels of power conservation (Automatic Mode, High Performance Mode, Battery Saver Mode) ACPI compliant
<b>Service and Support</b>	Compaq Services includes a One-year Limited Warranty, whole-unit replacement through second business day, pickup and delivery. (Eligibility depends on geographic location.) Optional services include a one-year warranty extension. <b>NOTE:</b> Certain restrictions and exclusions apply. See the Limited Warranty Statement for details.

## Standard Features

### Naming Convention

The Etymology of a Model name:



### Standard Features

#### Models

N115D120X320DC120	Display	13.3-inch color TFT XGA
	Processor	AMD Duron 1.2 GHz
	Cache Memory	64 KB L2 Cache
	Memory	Standard Standard Maximum Maximum
	Optical Drive	Fixed 1.44-MB FDD
	Hard Drive	Fixed DVD-ROM Drive
	Modem	20-GB
	Graphics	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC
	Audio	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory
	Operating System	JBL Pro speakers
	N115A120X420VC250	Display
Processor		AMD Athlon 4 1.2 GHz
Cache Memory		256-KB L2 Cache
Memory		Standard 256-MB SDRAM Maximum 384-MB SDRAM
Optical Drive		Fixed DVD-ROM Drive
Hard Drive		20 GB
Modem		Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC
Graphics		VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory
Audio		JBL Pro speakers
Operating System		Windows XP Pro
N115D100X420DC120		Display
	Processor	AMD Duron 1.0 GHz
	Cache Memory	64-KB L2 Cache
	Memory	Standard 128-MB SDRAM Maximum 384-MB SDRAM
	Optical Drive	Fixed CD-ROM Drive
	Hard Drive	20 GB
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory
	Audio	JBL Pro speakers
	Operating System	Windows XP Pro

## Standard Features

### Models (continued)

N115D100X420DC12E	Display	14.1-inch color TFT XGA	
	Processor	AMD Duron 1.0 GHz	
	Cache Memory	64-KB L2 Cache	
	Memory	Standard	128-MB SDRAM
		Maximum	384-MB SDRAM
	Optical Drive	Fixed CD-ROM Drive	
	Hard Drive	20 GB	
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC	
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory	
	Audio	JBL Pro speakers	
	Operating System	Windows XP Home	
N115D100X420VC250	Display	14.1-inch color TFT XGA	
	Processor	AMD Duron 1.0 GHz	
	Cache Memory	64-KB L2 Cache	
	Memory	Standard	128-MB SDRAM
		Maximum	384-MB SDRAM
	Optical Drive	Fixed DVD-ROM Drive	
	Hard Drive	20 GB	
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC	
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory	
	Audio	JBL Pro speakers	
	Operating System	Windows XP Pro	
N115A120X420VC250	Display	14.1-inch color TFT XGA	
	Processor	AMD Athlon 4 1.2 GHz	
	Cache Memory	256-KB L2 Cache	
	Memory	Standard	256-MB SDRAM
		Maximum	384-MB SDRAM
	Optical Drive	Fixed DVD-ROM Drive	
	Hard Drive	20 GB	
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC	
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory	
	Audio	JBL Pro speakers	
	Operating System	Windows XP Pro	
Software	Microsoft Office XP SBE		

### Standard Features

#### Models (continued)

N115A120X420VC120	Display	14.1-inch color TFT XGA
	Processor	AMD Athlon 4 1.2 GHz
	Cache Memory	256-KB L2 Cache
	Memory	Standard 128-MB SDRAM Maximum 384-MB SDRAM
	Optical Drive	Fixed DVD-ROM Drive
	Hard Drive	20 GB
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory
	Audio	JBL Pro speakers
	Operating System	Windows XP Pro
N115A120X420VC250	Display	14.1-inch color TFT XGA
	Processor	AMD Athlon 4 1.2 GHz
	Cache Memory	256-KB L2 Cache
	Memory	Standard 256-MB SDRAM Maximum 384-MB SDRAM
	Optical Drive	Fixed DVD-ROM Drive
	Hard Drive	20 GB
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory
	Audio	JBL Pro speakers
	Operating System	Windows XP Pro
Software	Microsoft Office XP Pro	
N115A140X430ZC250	Display	14.1-inch color TFT XGA
	Processor	AMD Athlon 1600+ (1.4 GHz)
	Cache Memory	256-KB L2 Cache
	Memory	Standard 256-MB SDRAM Maximum 384-MB SDRAM
	Optical Drive	Fixed DVD/CD-RW Combo Drive
	Hard Drive	30 GB
	Modem	Type III Mini PCI 56K (V.92) modem plus integrated 10/100 NIC
	Graphics	VIA ProSavage KN133 graphics with 3D graphics accelerator and 16-MB video memory
	Audio	JBL Pro speakers
	Operating System	Windows XP Pro

### Options

Memory	256-MB SDRAM Memory Module	232449-B21
	128-MB SDRAM Memory Module	232448-B21
	64-MB SDRAM Memory Module	232447-B21
<b>NOTE:</b> 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.		
Power	Lithium-Ion (3.6AH) – Primary	196345-B22
	AC Adapter	177624-B21
	Auto Adapter	167895-001
Useful Accessories	DEFCON Security Lock	201708-001
	DEFCON Security System	158638-001
Carrying Cases	Compaq Nylon	249246-001
	Compaq Leather	249244-001
<b>NOTE:</b> For additional Compaq Brand cases, visit <a href="http://www.compaq.com/products/notebooks/">http://www.compaq.com/products/notebooks/</a>		
<b>NOTE:</b> This website is available in English only.		



## Memory

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### STANDARD MEMORY

128 MB or 256 MB standard (One free SO-DIMM slot available)

Standard	Down	Slot 1
128 MB	128 MB	Empty
256 MB	128 MB	Empty

Following are memory options available from Compaq:

- 64 MB (133 MHz) Memory Upgrade 232447-B21
- 128 MB (133 MHz) Memory Upgrade 232448-B21
- 256 MB (133 MHz) Memory Upgrade 232449-B21

## Storage

### DRIVE SUPPORT

System Drive Support	Quantity Supported	Drive Bay Supported
<b>Media</b>		
24X CD-ROM	1	Fixed
8X DVD-ROM	1	Fixed
DVD/CD-RW Combo	1	Fixed
<b>Hard Drives</b>		
20-GB Hard Drive	1	Fixed
10-GB Hard Drive	1	Fixed

## Technical Specifications

<b>System Unit</b>	<b>Dimensions (H x W x D)</b>	12.4 x 10.6 x 1.64 in/31.5 x 26.9 x 4.2 cm	
	<b>Weight</b>	14.1-inch TFT with Li-Ion Battery 6.63 lb/3 kg and weight saver	
<b>Stand-Alone Power Requirements</b>	<b>Nominal Operating Voltage (Lithium-Ion)</b>	14.8 VDC	
	<b>Temperature</b>	Operating	50° to 95°F/10° to 35°C
		Non-operating	-4° to 140°F/-20° to 60°C
<b>Relative Humidity (non-condensing)</b>	Operating	10% to 90% relative humidity, non-condensing	
	Non-operating	5% to 95% relative humidity, 101.6°F/38.7°C maximum wet bulb temperature	
<b>Shock</b>	Operating	10 G, 11 ms, half-sine	
	Non-operating	60 G, 11 ms, half-sine	
<b>Vibration</b>	Operating	0.5 G zero-to-peak, 10 to 500 Hz, at 0.5 oct/min sweep rate	
	Non-operating	1.0 G, zero-to-peak, 10 to 500 Hz, at 0.5 oct/min sweep rate	
<b>Maximum Altitude (unpressurized)</b>	Operating	0 to 10,000 ft/0 to 3,048 m	
	Non-operating	0 to 30,000 ft/0 to 9,144 m	

<b>14.1-Inch Color TFT XGA Display</b>	<b>Dimensions (H x W)</b>	8.97 x 11.76 in/22.8 x 29.9 cm		
	<b>Diagonal Size</b>	14.1 in/35.81 cm		
	<b>Mounting</b>	Internal (Side Mount)		
	<b>Number of Colors</b>	256K		
	<b>Contrast Ratio</b>	150:1		
	<b>Brightness</b>	120+ nit		
	<b>Pixel Resolution</b>	Pitch	0.279 x 0.279 mm	
		Format	1024 x 768	
		Configuration	RGB Vertical Stripe	
	<b>Backlight</b>	Cold cathode fluorescent, 1 tube		
	<b>Character Display</b>	80 x 25		
	<b>Total Power Consumption</b>	4.75W		
	<b>Refresh</b>	60 Hz		

## Technical Specifications

<b>13.1-Inch Color TFT XGA Display</b>	<b>Dimensions (H x W)</b>	8.44 x 11.18 in/21.5 x 28.4 cm		
	<b>Diagonal Size</b>	13.3 in/33.78 cm		
	<b>Mounting</b>	Internal (Side Mount)		
	<b>Number of Colors</b>	256K		
	<b>Contrast Ratio</b>	150:1		
	<b>Brightness</b>	130+ nit		
	<b>Pixel Resolution</b>	<b>Pitch</b>	0.264 x 0.264 mm	
		<b>Format</b>	1024 x 768	
		<b>Configuration</b>	RGB Vertical Stripe	
	<b>Backlight</b>	Cold cathode fluorescent, 1 tube		
	<b>Character Display</b>	80 x 25		
	<b>Total Power Consumption</b>	3.7W		
	<b>Refresh</b>	60 Hz		

## Hard Drives

<b>10 GB</b>	<b>Capacity</b>	15 GB		
	<b>Height</b>	0.374 in/9.5 mm		
	<b>Width</b>	2.75 in/70 mm		
	<b>Interface</b>	ATA-5		
	<b>Transfer Rate</b>	<b>Synchronous (maximum)</b>	100 MB/s (Drive Capability)	
		<b>Security</b>	ATA Security	
	<b>Seek Time</b> (typical reads, including settling)	<b>Single Track</b>	1.5 ms	
		<b>Average</b>	12 ms	
		<b>Maximum</b>	22 ms	
	<b>Rotational Speed</b>	4200 rpm		
	<b>Logical Blocks</b>	~19,640,880		
	<b>Operating Temperature</b>	41° to 131°F/5° to 55°C		

## Technical Specifications

### Hard Drives *(continued)*

20 GB	<b>Capacity</b>	20 GB		
	<b>Height</b>	0.374 in/9.5 mm		
	<b>Width</b>	2.75 in/70 mm		
	<b>Interface</b>	ATA-5		
	<b>Transfer Rate</b>	Synchronous (maximum)	100 MB/s (Drive Capability)	
		Security	ATA Security	
	<b>Seek Time</b> (typical reads, including settling)	Single Track	2.5 ms	
		Average	12 ms	
		Maximum	23 ms	
	<b>Rotational Speed</b>	4200 rpm		
	<b>Logical Blocks</b>	~ 39,070,080		
<b>Operating Temperature</b>	41° to 131°F/5° to 55°C			

CD-ROM Drive	<b>Applicable Disk</b>	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		
	<b>Center Hole Diameter</b>	0.59 in/15 mm		
	<b>Disk Diameter</b>	12 cm/8 cm		
	<b>Disk Thickness</b>	0.047 in/1.2 mm		
	<b>Track Pitch</b>	1.6 µm		
	<b>Access Times</b> (typical reads, including settling)	Random	< 150 ms	
		Full-Stroke	< 300 ms	
	<b>Audio Output Level</b>	Line-out	0.7 Vrms	
	<b>Cache Buffer</b>	128 KB		
	<b>Data Transfer Rate</b> (typical, including settling)	Sustained (16X)	150 KB/s (sustained 1X)	
		Variable	1500 to 3600 KB/s (10X to 24X)	
		Normal PIO Mode 4 (single burst)	16.66 MB/s	
	<b>Start-up Time</b>	< 8 seconds		
	<b>Stop Time</b>	< 4 seconds		

## Technical Specifications

DVD-ROM Drive	Center Hole Diameter	0.59 in/1.5 cm		
	Disc Diameter	12 cm/8 cm		
	Disc Thickness	0.047 in/1.2 mm		
	Track Pitch	0.74 $\mu$ m		
	Access Times (typical reads, including settling)	Random	< 180 ms DVD Media	
		Full-Stroke	< 300 ms DVD Media	
		Random	< 120 ms CD Media	
		Full-Stroke	< 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	< 12 seconds			
Stop Time	< 3 seconds			

DVD/CD-RW Combo Drive	Center Hole Diameter	15 mm		
	Disk Diameter	12 cm, 8 cm		
	Disk Thickness	1.2 mm		
	Track Pitch	1.6 $\mu$ m		
	Access Times (typical reads, including settling)	Random CD	< 120 ms	
		Full-Stroke CD	< 175 ms	
	Disk Diameter	Random DVD	< 140 ms	
	Disk Thickness	Full-Stroke DVD	< 225 ms	
	Audio Output Level	8X CLV minimum CD-ROM, CD-R, CD-RW Read		
	Cache Buffer	2 Mbytes (minimum)		
	Data Transfer Rate (typical, including settling)	CD-ROM Read speed	24X - 3600 KB/s (150 KB/s at 1X CD rate)	
		CD-ROM Rewrite speed	8X - 1200 KB/s (150 KB/s at 1X CD rate)	
		CD-ROM Write Speed	8 X - 1200 KB/s (150 KB/s at 1X CD rate)	
		DVD-ROM Read speed	8X - 10,800 KB/s (1352 KB/s at 1X DVD rate)	
	Audio Output Level	DVD-ROM Read Speed	8100 Kbytes/second	
	Cache Buffer	CD-R, CD-RW Write Speeds	Sustained 600KB/s (4X CLV)	
	Start-up Time	Single	< 7 seconds (typical)	
		Multi-Session	< 30 seconds (typical)	
	Stop Time	< 3 seconds (typical)		

### Technical Specifications

External AC Adapter	<b>Weight</b>	0.45 lb/0.21 kg	
	<b>Power Supply (Input)</b>	Operating Voltage	100 to 240 VAC RMS Nominal
		Operating Current	1.5 A RMS
		Operating Frequency Range	50 to 60 Hz AC Nominal
		Maximum Transient	4/50 kV
Lithium-Ion Battery Pack	<b>Dimensions (H x W x D)</b>	0.82 x 5.67 x 3.03 in/2.1 x 14.4 x 7.7 cm	
	<b>Weight</b>	0.94 lb/0.43 kg	
	<b>Cells</b>	8 Lithium-Ion	
	<b>Energy</b>	Voltage	14.4 V
		Amp-hour capacity	3.6 Ah
		Watt-hour capacity	51.8Wh
	<b>Temperature</b>	Operating	50° to 104°F/10° to 40°C
		Non-operating	-4° to 140°F/-20° to 60°C

Compaq PCs use genuine Microsoft® Windows®

<http://www.microsoft.com/piracy/howtotell>

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