

OVERVIEW

Compaq Armada 1500

BENEFITS AT A GLANCE

- All-in-one form factor with three spindle support
- Intel Pentium® processor (200, 233 or 266 MHz with MMX™ technology)
- 512-KB level two cache (model dependent)
- Choice of 12.1 Fast Response CSTN and CTFT displays supporting resolutions up to 800 x 600 or 13.3-inch CTFT displays supporting resolutions up to 1024 x 768
- 64-bit video graphics with 2-MB EDO DRAM
- 32-MB standard EDO RAM, expandable up to 96 MB
- Support for both Li-Ion and NiMH batteries
- 3.2- or 4-GB1 SMART upgradeable hard drives
- Internal 20X Max² CD-ROM
- Integrated 33.6 Kb/s or K56flex³ data/14.4 Kb/s fax modem with full-duplex
- Two Type II/One Type III 32-bit PC Card slots
- Full-sized keyboard with four user-programmable keys
- Touchpad pointing device
- Sound Blaster Pro-compatible with 16-bit stereo Compaq PremierSound™, integrated speakers and microphone
- Software MPEG-1
- Intelligent Manageability for lower total cost of ownership
- Optional Pass-Through or Ethernet Convenience Bases
- Protected by a one-year, Worldwide Limited Warranty⁴

¹ For Hard Drives, GB = Billion Bytes.

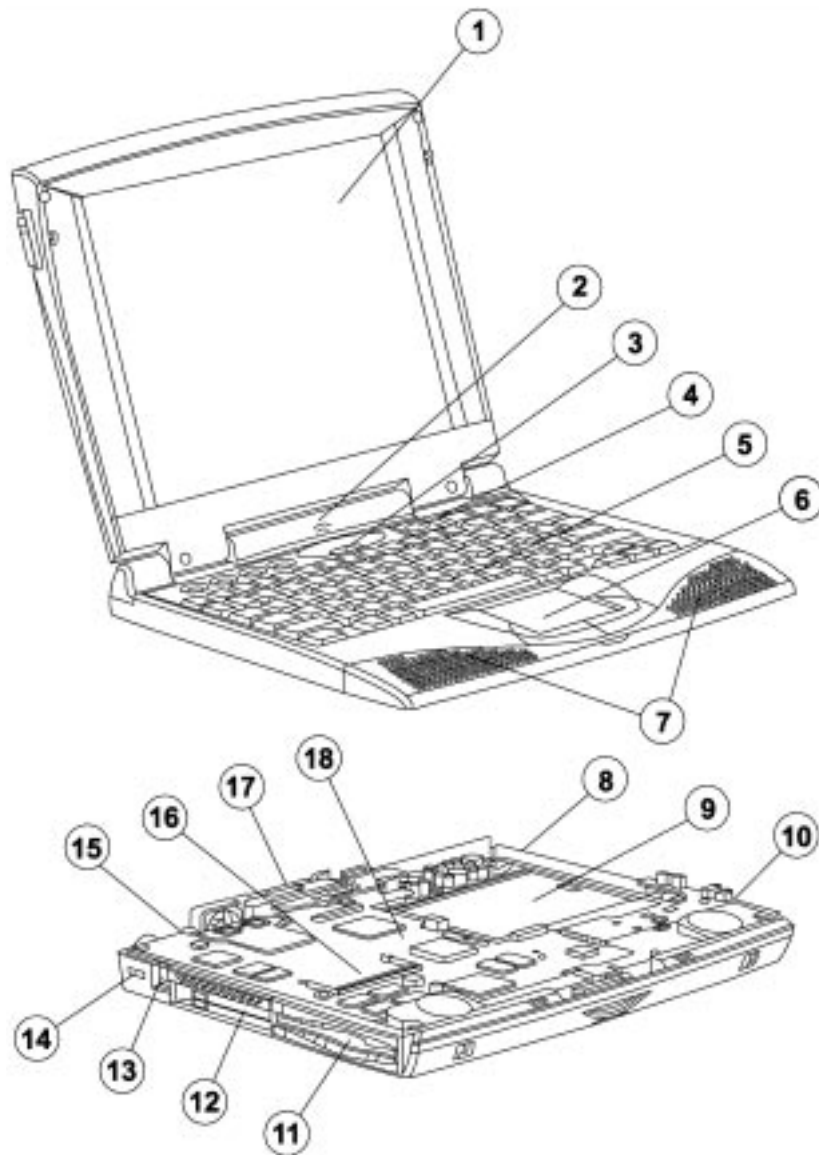
² Data transfer rates will vary from 150 KB/s to 3000 KB/s.

³ Designed only to allow faster downloads from K56flex compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem only supports Windows 9.x and Windows NT 4.0.

⁴ Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

⁵ Full support in Windows 9.x.

⁶ IrDA 4 MB compliant. IR performance will vary depending on performance of



1. Display
2. Microphone
3. Standby Button
4. Power Switch
5. Full-size Keyboard with Four User-programmable Keys
6. Touchpad Pointing Device
7. Stereo Speakers
8. 20X Max² CD-ROM Drive
9. Upgradeable SMART Hard Drive
10. Li-Ion or NiMH Battery Pack
11. Dual Bay (supports additional battery or diskette drive)
12. Two Type II/One Type III PC Card Slots; Card Bus-capable⁵
13. Integrated 33.6 Kb/s or 56Kflex³ Data/14.4 Kb/s Fax Modem
14. USB Port (Model dependent)
15. 4 Mb/s⁶ Infrared Communication Port
16. Memory Slot
17. Integrated AC Adapter
18. Processor Board

QUICK SPECS

Compaq Armada 1500

MODELS

Armada 1571DM
201580-002

Armada 1573DM
201820-002

Armada 1592DMT
305200-002

Armada 1598DMT
201700-002

STANDARD FEATURES

All-in-one Design

All-in-one design includes integrated Diskette Drive, Hard Drive, CD-ROM Drive, modem and AC Adapter providing full functionality in the office or on the road; dual-function bay supports either diskette drive or second battery for additional flexibility.

Processor

Armada 1571DM: Intel Pentium® processor 200 MHz with MMX™ technology and 512-KB level two writeback cache

Armada 1573DM and 1592DMT: Intel Pentium processor 233 MHz with MMX technology and 512-KB level two writeback cache

Armada 1598DMT: Intel Pentium processor 266 MHz with MMX technology and 512-KB level two writeback cache

Display/Graphics

Armada 1571DM and 1573DM: 12.1-inch high-contrast color and fast response STN with 800 x 600 resolution (up to 16.7M colors internal) and 64-bit video graphics with 2-MB EDO DRAM for increased color depth and graphics performance

Armada 1592DMT: 12.1-inch color TFT with 800 x 600 resolution (up to 16.7M colors internal) and 64-bit video graphics with 2-MB EDO DRAM for increased color depth and graphics performance

Armada 1598DMT: 13.3-inch color TFT with 1024 x 768 resolution (up to 64K colors internal) and 64-bit video graphics with 2-MB EDO DRAM for increased color depth and graphics performance

Memory

Armada 1571DM, 1573DM, 1592DMT and 1598DMT: 32 MB of EDO RAM, expandable to 96 MB

Hard Drives

Armada 1571DM, 1573DM and 1592DMT: 3.2-GB¹ SMART Hard Drive

Armada 1598DMT: 4-GB¹ SMART Hard Drive

Storage

Up to 4 GB¹

Multimedia

Compaq PremierSound™ for enhanced stereo audio including integrated 16-bit Sound Blaster Pro-compatible stereo audio, integrated stereo speakers and microphone, software/hardware volume control, headphone out, microphone in jacks, software MPEG-1 support; internal 20X Max² CD-ROM Drive

Communications

Integrated 33.6 Kb/s or K56flex³ data/14.4 Kb/s fax modem (model dependent) with full duplex speakerphone, Just Connect Software (Windows 95; model dependent) or TRIO Communications Software (Windows NT) included for increased ease of use in modem communications

PC Card Slots

Two Type II/One Type III PC Card Slot(s) which support both 32-bit CardBus⁴ and 16-bit PC Cards; zoomed video support in bottom slot only

Infrared Communication Port

4 Mb/s⁵ infrared communication port for wireless communication with other infrared-equipped devices

Power

Integrated AC Adapter for less bulky transportation; 10-foot power cord included

Battery

Both Li-Ion and NiMH batteries are supported; two to three hours of battery life⁶ supported with one battery; four to six hours when using two batteries

Integrated Pointing Device

Touchpad pointing device for intuitive use

Keyboard

101/102-key compatible keyboard with isolated, inverted-T cursor control keys, and right control key; four user-programmable keys; special feature hotkeys for instant access to power conservation, QuickLock/QuickBlank, toggle between internal external, or simultaneous displays, battery gauge, speaker volume control, brightness and contrast

Power Conservation

Hibernation, Instant-On via Standby; pop-ups with three presets and one custom level of power conservation

Dimensions (HxWxD)

2.1 x 12.2 x 9.6 in/5.38 x 31.1 x 24.5 cm

Weight

Armada 1571DM: 7.68 lbs/3.45 kg

Armada 1573DM: 7.68 lbs/3.45 kg

Armada 1592DMT: 7.5 lbs/3.4 kg

Armada 1598DMT: 7.97 lbs/3.57 kg

Software

All models include single install of Windows 95, Compaq Intelligent Manageability, Microsoft Internet Explorer, CompuServe and AOL, Microsoft NetMeeting and Microsoft PC Card Manager

STANDARD FEATURES (continued)

Interfaces

Infrared, enhanced parallel, serial, external monitor, keyboard/pointing device, PC Card, microphone in, headphone out

Compaq Intelligent Manageability Software

Lowers total cost of ownership by providing enhanced security, asset management, fault prediction with SMART drives

Security

Cable lock support; power-on and set-up passwords; ability to disable serial port, parallel port, diskette drive, diskette drive boot sequence

Service and Support

Compaq Services includes a one-year, Worldwide Limited Warranty⁷, pick-up or carry-in; upgrade to on-site warranty or additional two year warranty available; toll-free 7 x 24 hardware technical phone support.

OPTIONS

Memory

16-MB Memory Upgrade	272109-001
32-MB Memory Upgrade	220580-001
64-MB Memory Upgrade	220685-001

Diskette Drives/Hard Drives

3.2-GB ¹ SMART Hard Drive	255240-B21
4-GB ¹ SMART Hard Drive	316247-B21

PC Cards/Communications

56K PC ³ Card Modem	295050-001
USB CardBus ⁴ Card	296501-B21
SpeedPaq Cellular PC Card + SpeedPaq 336 Telephony modem	221200-001
Armada 1500 series 560 Telephony Modem (Internal Upgrade)	307330-001
10/100 TX PC Card UTP Controller	335506-B21
10 T PC Card UTP Controller	292806-B21
10 2 PC Card Coax Controller	292807-B21
10/100 TX PC Card UTP Controller Upgrade	292813-B21
100BaseTX Ethernet Upgrade	225435-001
16/4 TR PC Card IBM UTP/STP Controller	301208-B21

For additional compatible PC Cards, view the Compaq PC Card Solutions List on the Compaq website at <http://www.compaq.com/support/techpubs/pcmcia/pccardlist.html>.

Convenience Bases

Convenience Base (Ethernet)	254931-001
Convenience Base (Pass-Through)	254930-001

Power

Li-Ion Battery	254936-B21
NiMH Battery	254935-B21
External Battery Charger	254938-B21
Auto/Aircraft Adapter	296537-B21
AC Line Cord (10 ft)	217932-002

Monitors⁸

S700 Color	360512-001
S900 Color	360562-001
V55 Color	308006-001
V75 Color	307710-001
V90 Color	305609-001
V900 Color	303500-001
V1000 Color	351757-001
P75 Color	307806-001
P110 Color ⁹	284956-001
TFT450 Flat Panel	170406-001
TFT500 Flat Panel	285006-001

Input Devices

External Enhanced III Keyboard (Beach Gray)	110562-001
External Enhanced III Keyboard (Opal)	294343-001
External Infrared Transceiver	220687-002
Compaq Mouse (Beach Gray)	143315-001
Compaq Mouse (Opal)	143315-B21

Other

Security Lock	294316-B21
Portable Video Conferencing Kit	296954-001
Armada Headset with microphone	220460-001
Universal Monitor Stand	294315-B21

Carrying Cases

Compaq Value Case	294266-B21
Compaq Workstation Case	294267-B21
Compaq Global Case	294268-B21
Compaq Executive Case	294269-B21

For additional Compaq Brand cases, call 800-888-5903.

¹ For Hard Drives, GB = Billion Bytes.

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⁴ Full support in Windows 9.x.

⁵ IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.

⁶ When tested in the standard configuration using the Ziff-Davis BatteryMark test version 1.0, the battery life of the Armada 1500 family will range from 2 hours and 0 minutes to 3 hours and 0 minutes depending on individual usage.

⁷ Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

⁸ AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.

⁹ May not be compatible with the ArmadaStation Monitor Support Stand, the Convenience Base I, or the Convenience Base II due to weight limitations.

FEATURES

Compaq Armada 1500

	Compaq Armada 1571DM	Compaq Armada 1573DM	Compaq Armada 1592DMT	Compaq Armada 1598DMT
System Unit				
Microprocessor	Intel Pentium® processor 200 MHz with MMX™ technology	Intel Pentium processor 233 MHz with MMX technology	Intel Pentium processor 233 MHz with MMX technology	Intel Pentium processor 266 MHz with MMX technology
Cache	Integrated 16 KB; 512-KB level 2	Integrated 16 KB; 512-KB level 2	Integrated 16 KB; 512-KB level 2	Integrated 16 KB; 512-KB level 2
EDO DRAM				
Standard	32 MB	32 MB	32 MB	32 MB
Maximum	96 MB	96 MB	96 MB	96 MB
Advanced Power Management	Yes	Yes	Yes	Yes
Coprocessor	Yes	Yes	Yes	Yes
AC Adapter	Integrated	Integrated	Integrated	Integrated
Display				
Type	12.1-inch Fast Response high-contrast color STN	12.1-inch Fast Response high-contrast color STN	12.1-inch color TFT	13.3-inch color TFT
Resolution	800 x 600 SVGA with up to 16 M colors	800 x 600 SVGA with up to 16 M colors	800 x 600 SVGA with up to 16 M colors	1024 x 768 with up to 16 M colors
Extended Text	Yes	Yes	Yes	Yes
Graphics				
64-bit Video Graphics with 2-MB EDO DRAM	Yes	Yes	Yes	Yes
1024 x 768 External	Yes	Yes	Yes	Yes
1280 x 1024 External	Yes	Yes	Yes	Yes
Storage				
Removeable 1.44-MB Diskette Drive	Standard	Standard	Standard	Standard
Hard Drive				
Standard	3.2-GB ¹ SMART	3.2-GB ¹ SMART	3.2-GB ¹ SMART	4.0-GB ¹ SMART
Optional	3.2- or 4-GB ¹ SMART	3.2- or 4-GB ¹ SMART	3.2- or 4-GB ¹ SMART	3.2- or 4-GB ¹ SMART
CD-ROM Drive	20X Max ² CD-ROM	20X Max ² CD-ROM	20X Max ² CD-ROM	20X Max ² CD-ROM
Communications				
Integrated 33.6 Kb/s data/14.4 Kb/s Fax Modem	—	—	—	—
Integrated K56flex ³ data/14.4 Kb/s Fax Modem	Standard	Standard	Standard	Standard

	Compaq Armada 1571DM	Compaq Armada 1573DM	Compaq Armada 1592DMT	Compaq Armada 1598DMT
Interfaces				
PC Card	Two Type II or One Type III slot(s)	Two Type II or One Type III slot(s)	Two Type II or One Type III slot(s)	Two Type II or One Type III slot(s)
Enhanced Parallel	1	1	1	1
Serial	1	1	1	1
External Monitor	1	1	1	1
External Keyboard/Pointing Device	1	1	1	1
Convenience Base	1	1	1	1
Headphone/Line out	1	1	1	1
Microphone	1	1	1	1
AC Power	1	1	1	1
RJ 11	1	1	1	1
Infrared	1	1	1	1
USB	1	1	1	1
Pointing Device				
Touchpad	Standard	Standard	Standard	Standard
Monitors⁴				
S700 Color	Optional	Optional	Optional	Optional
S900 Color	Optional	Optional	Optional	Optional
V55 Color	Optional	Optional	Optional	Optional
V75 Color	Optional	Optional	Optional	Optional
V90 Color	Optional	Optional	Optional	Optional
V900 Color	Optional	Optional	Optional	Optional
V1000 Color	Optional	Optional	Optional	Optional
P75 Color	Optional	Optional	Optional	Optional
P110 Color ⁵	Optional	Optional	Optional	Optional
TFT450 Flat Panel	Optional	Optional	Optional	Optional
TFT500 Flat Panel	Optional	Optional	Optional	Optional
Keyboard				
Full-sized 101/102-key compatible Keyboard (with dedicated F11 and F12 Keys, four user programmable keys and inverted "T" cursor controls)	Standard	Standard	Standard	Standard
Enhanced III Keyboard	Optional	Optional	Optional	Optional

	Compaq Armada 1571DM	Compaq Armada 1573DM	Compaq Armada 1592DMT	Compaq Armada 1598DMT
Supported System Software				
Preinstalled Software	Single install of Microsoft Windows 95, Compaq Intelligent Manageability, Microsoft Internet Explorer, CompuServe and AOL, Microsoft NetMeeting and Microsoft PC Card Manager	Single install of Microsoft Windows 95, Compaq Intelligent Manageability, Microsoft Internet Explorer, CompuServe and AOL, Microsoft NetMeeting and Microsoft PC Card Manager	Single install of Microsoft Windows 95, Compaq Intelligent Manageability, Microsoft Internet Explorer, CompuServe and AOL, Microsoft NetMeeting and Microsoft PC Card Manager	Single install of Microsoft Windows 95, Compaq Intelligent Manageability, Microsoft Internet Explorer, CompuServe and AOL, Microsoft NetMeeting and Microsoft PC Card Manager
Physical Specifications				
Dimensions (HxWxD)	2.1 x 12.2 x 9.6 in/ 5.38 x 31.1 x 24.5 cm	2.1 x 12.2 x 9.6 in/ 5.38 x 31.1 x 24.5 cm	2.1 x 12.2 x 9.6 in/ 5.38 x 31.1 x 24.5 cm	2.1 x 12.2 x 9.6 in/ 5.38 x 31.1 x 24.5 cm
Weight	7.68 lbs/3.45 kg	7.68 lbs/3.45 kg	7.5 lbs/3.4 kg	7.97 lbs/3.57 kg

¹ For Hard Drives, GB = Billion Bytes.

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
MEMORY

Compaq Armada 1500

Compaq Armada 1571 DM, 1573DM, 1592DMT and 1598DMT

STANDARD MEMORY




32 MB Installed on the System Board (1 slot available)

Standard	Slot
	1
32 MB	

STANDARD MEMORY PLUS

OPTIONAL MEMORY

Support for up to 96 MB of 60 ns EDO RAM is available with the installation of an optional memory upgrade.

Up to	Slot
	1
48 MB	
64 MB	
96 MB	

Note: Following are memory options available from Compaq:

- 16-MB Memory Upgrade 272109-001
- 32-MB Memory Upgrade 220580-001
- 64-MB Memory Upgrade 220685-001

TECHSPECS

Compaq Armada 1500

System Unit

Dimensions (HxWxD)	2.1 x 12.2 x 9.6 in/5.38 x 31.1 x 24.5 cm
Weight	
Armada 1571DM	7.68 lbs/ 3.45 kg
Armada 1573DM	7.68 lbs/ 3.45 kg
Armada 1592DMT	7.5 lbs/3.4 kg
Armada 1598DMT	7.97 lbs/3.57 kg
Stand-Alone Power Requirements	
Nominal Operating Voltage (Li-Ion)	14.2 VDC
Nominal Operating Voltage (NiMH)	9.6
Maximum Operating Power	35 W
Peak Operating Power	40 W
Temperature	
Operating	50° to 95°F/10° to 35°C
Non-operating	-4° to 140°F/-20° to 60°C
Relative Humidity (non-condensing)	
Operating	10% to 90%
Non-operating	5% to 95%
Shock	
Operating	10 G, 11 ms, half sine
Non-operating	60 G, 11 ms, half sine
Vibration	
Operating	0.25 G, 1.0 Oct/Min sweep rate
Non-operating	1.0 G, 1.0 Oct/Min sweep rate
Maximum Altitude (unpressurized)	
Operating	10,000 ft/3.05 km
Non-operating	30,000 ft/9.14 km

12.1-Inch Color TFT 1024 x 768 Display

Dimensions (HxW)	7.24 x 9.7 in/18.4 x 24.6 cm
Diagonal Size	12.1 in/30.7 cm
Mounting	Internal
Number of Colors	
Armada 1592DMT	16 M
Contrast Ratio	100:1
Brightness	
Armada 1592DMT	over 100 cd/m ² (typical)
Pixel Resolution	
Pitch	0.30 x 0.30 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	Edge Lit
Character Display	80 x 25, 80 x 50
Total Power Consumption (with backlight)	6 W (max)

**12.1-Inch Fast Response
Color STN SVGA
Display**

Dimensions (HxW)	7.24 x 9.7 in/18.4 x 24.6 cm
Diagonal Size	12.1 in/30.7 cm
Mounting	Internal
Number of Colors Armada 1571DM and 1573DM	16 M
Contrast Ratio	35:1 (typical)
Brightness Armada 1571DM and 1573DM	100 cd/m ² (typical)
Response Time Armada 1571DM and 1573DM	150 ms
Pixel Resolution	
Pitch	0.30 x 0.30 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	Edge Lit
Character Display	80 x 25, 80 x 50
Total Power Consumption (maximum)	6 W (max)

**13.3-Inch Color TFT
XGA Display**

Dimensions (HxW)	10.6 x 7.9 in/26.9 x 20.1 cm
Diagonal Size	13.3 in/33.8 cm
Mounting	Internal
Number of Colors	64K
Contrast Ratio	125:1
Brightness Armada 1598DMT	105 +/- 10 cd/m ²
Pixel Resolution	
Pitch	0.264 x 0.264 mm
Format	1024 x 768
Configuration	RGB stripe
Backlight	Edge Lit
Character Display	80 x 25
Total Power Consumption (maximum)	4.0 W

Hard Drives

	3.2 GB¹	4 GB¹
Capacity Per Drive	3.2 GB ¹	4 GB ¹
Drive Type	65	65
Transfer Rate		
Media	51.7 to 83.4 Mb/s	51.7 to 83.4 Mb/s
Interface	16.6 MB/s	16.6 MB/s
Sector Interleave	1:1	1:1
Seek Times (typical read, including settling)		
Track-to-track	4 ms	4 ms
Average	13 ms (read) 14 ms (write)	13 ms (read) 14 ms (write)
Maximum	23 ms	23 ms
Disk Rotational Speed	4009 rpm	4009 rpm
Physical Configuration		
Cylinders	6975	6975
Heads	5	6
Sectors per track	144-240	144-240
Bytes per sector	512	512
Logical Configuration		
Cylinders	6304	7944
Heads	16	16
Sectors per track	63	63
Bytes per sector	512	512
Buffer Size	512 KB	512 KB

Diskette Drive

Diskette Size	3.5 in
Light	None
Height	0.82 in/2.08 cm
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

Integrated AC Adapter	Weight	0.66 lb/0.3 kg
	Power Supply (Input)	
	Operating Voltage	90 to 260 VAC RMS
	Operating Current	1.10 A RMS
	Operating Frequency Range	47 to 63 Hz AC
	Maximum Transient	4/50 kV
Li-Ion Battery Pack	Dimensions (HxWxL)	0.82 x 3.2 x 5.8 in/2.08 x 8.13 x 14.73 cm
	Weight	0.85 lb/.39 kg
	Energy	
	Voltage	14.4V
	Amp-hour capacity	2.8 Ah
	Watt-hour capacity	40 Wh
	Temperature	
	Operating	50° to 104° F/10° to 40° C
Non-operating	-12° to 140° F/-25° to 60° C	
NiMH Battery Pack	Dimensions (HxWxL)	0.82 x 3.2 x 5.8 in/2.08 x 8.13 x 14.73 cm
	Weight	1.2 lbs/.54 kg
	Energy	
	Voltage	9.6 V
	Amp-hour capacity	4.0 Ah
	Watt-hour capacity	36 Wh
	Temperature	
	Operating	50° to 104° F/10° to 40° C
Non-operating	-22° to 140° F/-30° to 60° C	
Convenience Base	Dimensions (HxWxD)	4.9 x 14.2 x 14.7 in/12.46 x 36.07 x 37.34 cm
	Weight	4.25 lbs/1.93 kg
	Power Supply (Input)	
	Operating Voltage	100 to 240 VAC
	Operating Current	1.10 Amp Maximum
	Rated Voltage	100 to 240 VAC
	Rated Current	1.0 Amp Maximum
	Line Frequency	47 to 63 Hz
	Temperature	
	Operating	50° to 95° F/10° to 35° C
	Non-operating	-4° to 140° F/20° to 60° C
	Relative Humidity	
	Operating	10% to 90%
Non-operating	5% to 95%	
Altitude		
Operating	10,000 ft/3.05 km	
Non-operating	30,000 ft/9.14 km	
Shock		
Operating	10 G, 11 ms, half sine	
Non-operating	140 G, 2 ms, half sine	

Convenience Base
(continued)

Vibration	
Operating	0.25 G, 5 to 500 Hz, 0.5 octave/min sweep rate
Non-operating	1.0 G, 5 to 500 Hz, 0.5 octave/min sweep rate
Monitor Support	Up to 55 lbs/24.95 kg

20X Max² CD-ROM Drive

Applicable Disc	CD-DA, CD-ROM, CD-ROM XA (except ADPCM), CD-1, Photo CD (Multi-Session), Video CD, CD-Extra (CD+), CD-G
Center Hole Diameter	15 mm
Disc Diameter	12 cm, 8 cm
Disc Thickness	1.2 mm
Track Pitch	1.6 μ m
Laser	
Output power	0.24 +/- 0.1 mW
Type	GaAiAS double hetero laser diode
Wave length	770-795 nm at Ph-2.7 mW
Access Times (typical, including settling)	150 ms
Audio Output Level	
Line out	0.8-1.2 V _{rms}
Headphone	none
Cache Buffer	128 KB
Data Transfer Rate (typical, including settling)	
Sustained (16X)	2400 KB/s 150 KB/s
Normal PIO Mode 4 (single burst)	16.66 MB/s
Startup Time	< 8 sec

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