

# OVERVIEW

Compaq Armada 1500

## BENEFITS AT A GLANCE

- All-in-one form factor with integrated modem, diskette drive, hard drive, CD-ROM Drive and AC Adapter
- Choice of 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
- Dual-function bay supports either additional battery or diskette drive for up to 6 hours of battery life
- Support for both Li-Ion and NiMH batteries
- 3.2- or 4-GB<sup>1</sup> SMART upgradable hard drives
- Internal 20X Max<sup>2</sup> CD-ROM Drive
- Integrated 33.6 Kb/s or K56 Flex<sup>3</sup> data/14.4 Kb/s fax modem with full-duplex speakerphone
- 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
- Compaq power conservation features including Suspend
- Protected by a one-year, Worldwide Limited Warranty<sup>4</sup>

<sup>1</sup> For Hard Drives, GB = Billion Bytes.

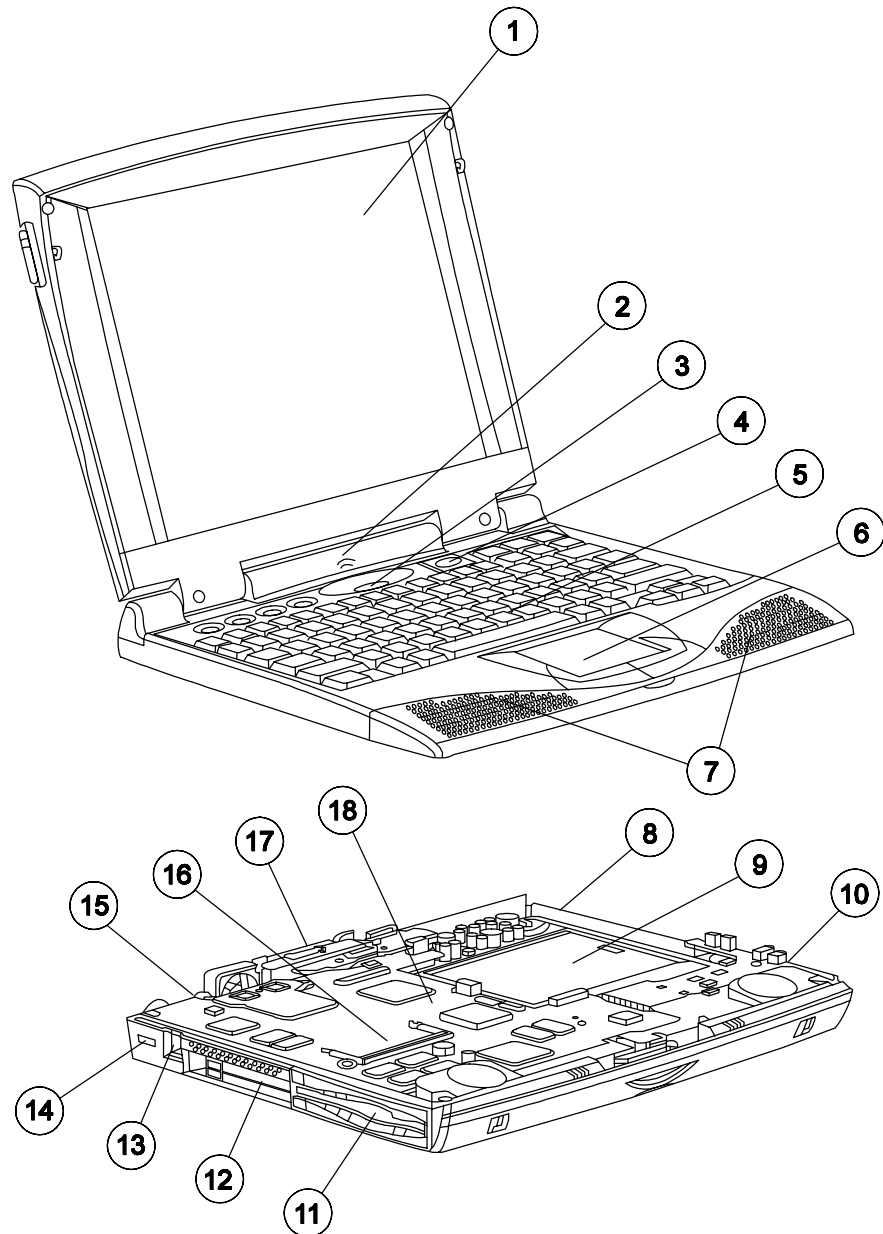
<sup>2</sup> Data transfer rates will vary from 150 KB/s to 3000 KB/s.

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

<sup>4</sup> Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

<sup>5</sup> Full support in Windows 9.x.

<sup>6</sup> IrDA 4MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.



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 Max<sup>2</sup> CD-ROM Drive
9. Upgradable 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-capable<sup>5</sup>
13. Integrated 33.6 Kb/s or 56Kb/s<sup>3</sup> Data/14.4 Kb/s Fax Modem
14. USB Port (Model dependent)
15. 4 Mb/s<sup>6</sup> 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: 200-MHz Intel Pentium processor with MMX™ technology and 512-KB level two writeback cache

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

Armada 1598DMT: 266-MHz Intel Pentium processor 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-GB<sup>1</sup> SMART Hard Drive

Armada 1598DMT: 4-GB<sup>1</sup> SMART Hard Drive

### Storage

Up to 4 GB<sup>1</sup>

### 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 Max<sup>2</sup> CD-ROM Drive

### Communications

Integrated 33.6 Kb/s or K56 Flex<sup>3</sup> 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 CardBus<sup>4</sup> and 16-bit PC Cards; zoomed video support in bottom slot only

### Infrared Communication Port

4 Mb/s<sup>5</sup> 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 life<sup>6</sup> 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 hot keys 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

**STANDARD FEATURES** (cont'd)

**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 lb/3.45 kg  
 Armada 1573DM: 7.68 lb/3.45 kg  
 Armada 1592DMT: 7.5 lb/3.4 kg  
 Armada 1598DMT: 7.97 lb/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

**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 Warranty<sup>7</sup>, pick-up or carry-in; upgrade to on-site warranty or additional two year warranty available; toll-free 7x24 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<sup>1</sup> SMART Hard Drive 255240-B21  
 4-GB<sup>1</sup> SMART Hard Drive 316247-B21

**PC Cards/Communications**

56K PC Card Modem<sup>3</sup> 295050-001  
 USB CardBus 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

**Monitors**

S700 Color<sup>8</sup> 360512-001  
 S900 Color<sup>8</sup> 360562-001  
 V55 Color<sup>8</sup> 308006-001  
 V75 Color<sup>8</sup> 307710-001  
 V90 Color<sup>8</sup> 305609-001  
 V900 Color<sup>8</sup> 303500-001  
 V1000 Color<sup>8</sup> 351757-001  
 P75 Color<sup>8</sup> 307806-001  
 P110 Color<sup>8</sup> 284956-001  
 TFT450 Flat Panel<sup>8</sup> 170406-001  
 TFT500 Flat Panel<sup>8</sup> 285006-001

**OPTIONS** (cont'd)

**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

<sup>1</sup> For Hard Drives, GB = Billion Bytes.

<sup>2</sup> Data transfer rates vary from 150 KB/s to 3000 KB/s.

<sup>3</sup> Designed only to allow faster downloads from K56 Flex compliant sources. Maximum achievable download transmission rates currently do not reach 56Kb/s, and will vary with line conditions. Modem only supports Microsoft Windows 9.x and Microsoft Windows NT 4.0.

<sup>4</sup> Full support in Windows 9.x.

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

<sup>6</sup> 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.

<sup>7</sup> Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

<sup>8</sup> AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.

# FEATURES

Compaq Armada 1500

	Compaq Armada 1571DM	Compaq Armada 1573DM	Compaq Armada 1592DMT	Compaq Armada 1598DMT
<b>System Unit</b>				
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
<b>Display</b>				
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
<b>Graphics</b>				
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
<b>Storage</b>				
Removable 1.44-MB Diskette Drive	Standard	Standard	Standard	Standard
Hard Drive				
Standard	3.2-GB <sup>1</sup> SMART	3.2-GB <sup>1</sup> SMART	3.2-GB <sup>1</sup> SMART	4.0-GB <sup>1</sup> SMART
Optional	3.2- or 4-GB <sup>1</sup> SMART	3.2- or 4-GB <sup>1</sup> SMART	3.2- or 4-GB <sup>1</sup> SMART	3.2- or 4-GB <sup>1</sup> SMART
CD-ROM Drive	20X Max <sup>2</sup> CD-ROM	20X Max <sup>2</sup> CD-ROM	20X Max <sup>2</sup> CD-ROM	20X Max <sup>2</sup> CD-ROM
<b>Communications</b>				
Integrated 33.6 Kb/s data/14.4 Kb/s Fax Modem	—	—	—	—
Integrated K56flex data/14.4 Kb/s Fax Modem <sup>3</sup>	Standard	Standard	Standard	Standard
<b>Interfaces</b>				
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

Compaq Armada 1571DM	Compaq Armada 1573DM	Compaq Armada 1592DMT	Compaq Armada 1598DMT
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**Interfaces (cont'd)**

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
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**Monitors**

S700 Color <sup>4</sup>	Optional	Optional	Optional	Optional
S900 Color <sup>4</sup>	Optional	Optional	Optional	Optional
V55 Color <sup>4</sup>	Optional	Optional	Optional	Optional
V75 Color <sup>4</sup>	Optional	Optional	Optional	Optional
V90 Color <sup>4</sup>	Optional	Optional	Optional	Optional
V900 Color <sup>4</sup>	Optional	Optional	Optional	Optional
V1000 Color <sup>4</sup>	Optional	Optional	Optional	Optional
P75 Color <sup>4</sup>	Optional	Optional	Optional	Optional
P110 Color <sup>4</sup>	Optional	Optional	Optional	Optional
TFT450 Flat Panel <sup>4</sup>	Optional	Optional	Optional	Optional
TFT500 Flat Panel <sup>4</sup>	Optional	Optional	Optional	Optional

**Keyboard**

Full-sized 101/102-key compatible Keyboard (with dedicated F11 and F12 Keys, four user programable keys and inverted "T" cursor controls)	Standard	Standard	Standard	Standard
Enhanced III Keyboard	Optional	Optional	Optional	Optional

**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
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**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 lb/3.45 kg	7.68 lb/3.45 kg	7.5 lb/3.4 kg	7.97 lb/3.57 kg

<sup>1</sup> For Hard Drives, GB = Billion Bytes.

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

<sup>3</sup> Designed only to allow faster downloads from K56 Flex compliant sources. Maximum achievable download transmission rates currently do not reach 56Kb/s, and will vary with line conditions. Modem only supports Microsoft Windows 9.x and Microsoft NT 4.0.

<sup>4</sup> AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.

# 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 60ns EDO RAM with the installation of an optional memory upgrade

Standard	Slot
	1
48 MB	16MB
64 MB	32MB
96 MB	64MB

Note: The Armada 1500 supports 60ns EDO RAM. Following are the memory options available from Compaq:

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

### System Unit

<b>Dimensions (HxWxD)</b>	2.1 x 12.2 x 9.6 in/5.38 x 31.1 x 24.5 cm
<b>Weight</b>	
Armada 1571DM	7.68 lb/ 3.45 kg
Armada 1573DM	7.68 lb/ 3.45 kg
Armada 1592DMT	7.5 lb/3.4 kg
Armada 1598DMT	7.97 lb/3.57 kg
<b>Stand-Alone Power Requirements</b>	
Nominal Operating Voltage (Li-Ion)	14.2 VDC
Nominal Operating Voltage (NiMH)	9.6
Maximum Operating Power	35 W
Peak Operating Power	40 W
<b>Temperature</b>	
Operating	5° to 95° F/10° to 40° C
Nonoperating	-4° to 140° F/-30° to 60° C
<b>Relative Humidity (noncondensing)</b>	
Operating	10 to 90%
Nonoperating	5 to 95%
<b>Shock</b>	
Operating	10 G, 11 ms, half sine
Nonoperating	240 G, 2 ms, half sine
<b>Vibration</b>	
Operating	.55 G, .25 Oct/Min sweep rate
Nonoperating	1.5 G, .5 Oct/Min sweep rate
<b>Maximum Altitude (unpressurized)</b>	
Operating	10,000 ft/3.15 km
Nonoperating	30,000 ft/10.14 km

### 12.1-Inch Color TFT 1024 x 768 Display

<b>Dimensions (HxW)</b>	7.24 x 9.7 in/18.4 x 24.6 cm
<b>Diagonal Size</b>	12.1 in/30.7 cm
<b>Mounting</b>	Internal
<b>Number of Colors</b>	
Armada 1592DMT	16 M
<b>Contrast Ratio</b>	100:1
<b>Brightness</b>	
Armada 1592DMT	over 100 cd/m <sup>2</sup> (typical)
<b>Pixel Resolution</b>	
Pitch	.30 x .30 mm
Format	800 x 600
Configuration	RGB Stripe
<b>Backlight</b>	Edge Lit
<b>Character Display</b>	80 x 25, 80 x 50
<b>Total Power Consumption (with backlight)</b>	6 W (max)

12.1-Inch Fast Response  
Color STN SVGA Display

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

13.3-Inch Color TFT  
XGA Display

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

Hard Drives<sup>1</sup>

	<b>3.2-GB<sup>2</sup></b>	<b>4-GB<sup>2</sup></b>
<b>Capacity Per Drive</b>	3.2 GB <sup>2</sup>	4 GB <sup>2</sup>
<b>Drive Type</b>	65	65
<b>Transfer Rate</b>		
Media	51.7 to 83.4 Mb/s	51.7 to 83.4 Mb/s
Interface	16.6 MB/s	16.6 MB/s
<b>Sector Interleave</b>	1:1	1:1

Hard Drives<sup>1</sup> (cont'd)

	3.2-GB <sup>2</sup>	4-GB <sup>2</sup>
<b>Seek Times</b> (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
<b>Disk Rotational Speed</b>		
	4009 rpm	4009 rpm
<b>Physical Configuration</b>		
Cylinders	6975	6975
Heads	5	6
Sectors per track	144-240	144-240
Bytes per sector	512	512
<b>Logical Configuration</b>		
Cylinders	6304	7944
Heads	16	16
Sectors per track	63	63
Bytes per sector	512	512
<b>Buffer Size</b>		
	512 KB	512 KB

## Diskette Drive

<b>Diskette Size</b>	3.5-inch
<b>Light</b>	None
<b>Height</b>	.82 in/2.08 cm
<b>Bytes per Sector</b>	512
<b>Sectors per track</b>	
High density	18 (1.44-MB)/15 (1.2-MB)
Low density	9
<b>Tracks per side</b>	
High density	80 (1.44-MB)/80 (1.2-MB)
Low density	80
<b>Read/Write heads</b>	2
<b>Access Times</b>	
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

<b>Weight</b>	.66 lb/.3 kg
<b>Power Supply (Input)</b>	
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	<b>Dimensions (HxWxL)</b>	.82 x 3.2 x 5.8 in/2.08 x 8.13 x 14.73 cm
	<b>Weight</b>	.85 lb/.39 kg
	<b>Energy</b>	
	Voltage	14.4V
	Amp-hour capacity	2.8 Ah
	Watt-hour capacity	40 Wh
	<b>Temperature</b>	
Operating	50° to 104° F/10° to 40° C	
Nonoperating	-12° to 140° F/-30° to 60° C	
NiMH Battery Pack	<b>Dimensions (HxWxL)</b>	.82 x 3.2 x 5.8 in/2.08 x 8.13 x 14.73 cm
	<b>Weight</b>	1.2 lb/.54 kg
	<b>Energy</b>	
	Voltage	9.6 V
	Amp-hour capacity	4.0 Ah
	Watt-hour capacity	36 Wh
	<b>Temperature</b>	
Operating	50° to 104° F/10° to 40° C	
Nonoperating	-22° to 140° F/-30° to 60° C	
Convenience Base	<b>Dimensions (HxWxD)</b>	4.9 x 14.2 x 14.7 in/12.46 x 36.07 x 37.34 cm
	<b>Weight</b>	4.25 lb/1.93 kg
	<b>Power Supply (Input)</b>	
	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
	<b>Temperature</b>	
	Operating	50° to 95° F/10° to 35° C
	Nonoperating	-4° to 140° F/20° to 60° C
	<b>Relative Humidity</b>	
	Operating	10 to 90%
	Nonoperating	5 to 95%
	<b>Altitude</b>	
Operating	10,000 ft/3.15 km	
Nonoperating	30,000 ft/10.14 km	
<b>Shock</b>		
Operating	10 G, 11 ms, half sine	
Nonoperating	140 G, 2 ms, half sine	
<b>Vibration</b>		
Operating	0.25 G, 5 to 500 Hz, 0.5 octave/min sweep rate	
Nonoperating	1.0 G, 5 to 500 Hz, 0.5 octave/min sweep rate	
<b>Monitor Support</b>	Up to 55 lb/24.95 kg	
20X Max <sup>3</sup> CD-ROM Drive	<b>Applicable Disc</b>	CD-DA, CD-ROM, CD-ROM XA (except ADPCM), CD-I, Photo CD (Multi Session), Video CD, CD-Extra (CD+), CD-G
	<b>Center Hole Diameter</b>	15 mm

20X Max<sup>3</sup> CD-ROM Drive  
(cont'd)

<b>Disc Diameter</b>	12 cm, 8 cm
<b>Disc Thickness</b>	1.2 mm
<b>Track Pitch</b>	1.6 $\mu$ m
<b>Laser</b>	
Output power	0.24 +/- 0.1 mW
Type	GaAiAS double hetero laser diode
Wave length	770-795 nm at Ph-2.7 mW
<b>Access Times</b> (typical, including settling)	150 ms
<b>Audio Output Level</b>	
Line out	0.8-1.2 Vrms
Headphone	none
<b>Cache Buffer</b>	128 KB
<b>Data Transfer Rate</b> (typical, including settling)	
Sustained (16X)	2400 KB/s
	150 KB/s
Normal PIO Mode 4 (single burst)	16.66 MB/s
<b>Startup Time</b>	< 8 sec

<sup>1</sup> For Hard Drives, GB = Billion Bytes.

<sup>2</sup> Hard drive specifications may vary slightly depending on vendor.

<sup>3</sup> Data transfer rates will vary from 150 Kb/s to 3000 Kb/s.