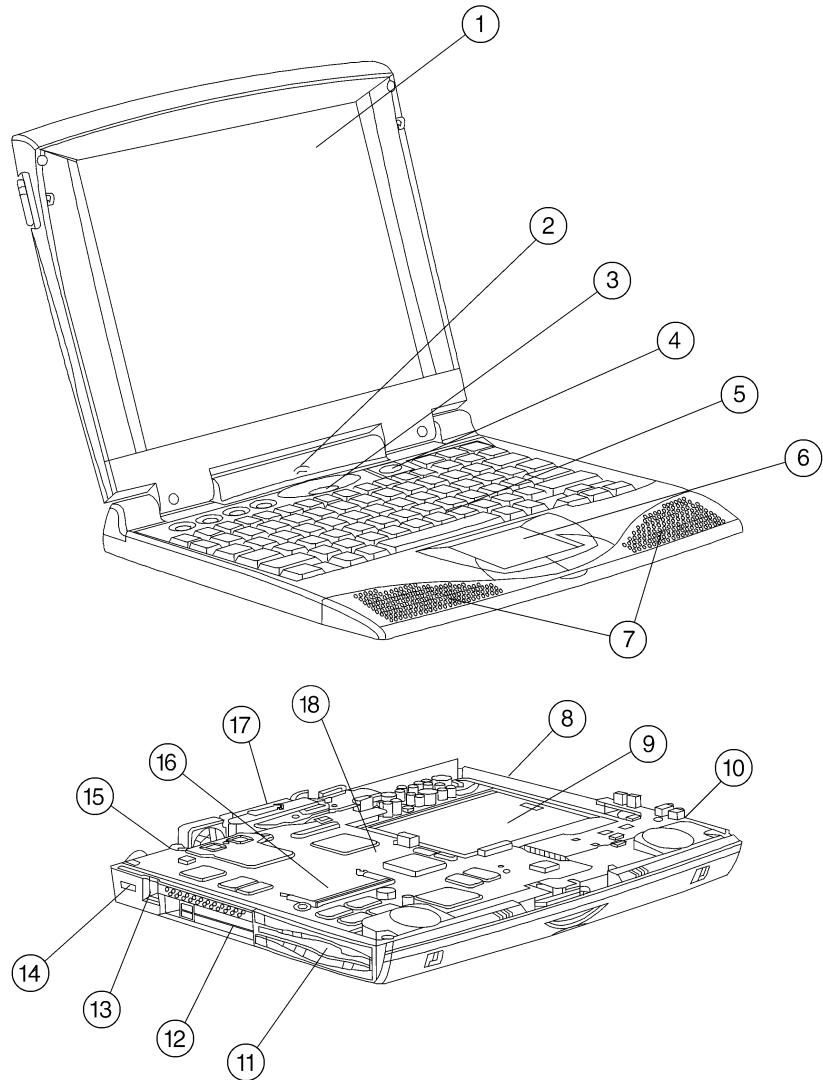


Overview

BENEFITS AT A GLANCE

- All-in-one form factor with three spindle support
- Choice of Intel Pentium® processor (200, 233 or 266 MHz with MMX™ technology)
- 512-KB level two cache (model dependent)
- Choice of 12.1-inch 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 Drive
- 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 MPEG1
- Intelligent Manageability for lower total cost of ownership
- Optional Pass-Through or Ethernet Convenience Bases
- Protected by a one year, Worldwide Limited Warranty⁴



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

QUICK SPECS

Compaq Armada 1500

Standard Features

MODELS

Windows 95

1598DMT
201700-002

1592DMT
305200-002

1573DM
201820-002

1571DM
201580-002

Processor

Intel Pentium processor 266 MHz with MMX technology
1598DMT

Intel Pentium processor 233 MHz with MMX technology
1592DMT
1573DM

Intel Pentium processor 200 MHz with MMX technology
1571DM

Cache Memory

Integrated 16 KB; 512-KB level 2

Memory

Standard	32 MB
Maximum	96 MB

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

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 and external, or simultaneous displays, battery gauge, speaker volume control, brightness and contrast

Pointing Device

Touchpad

PC Card Slots

Two Type II/One Type III PC Card Slot(s) which support both 32-bit CardBus⁵ and 16-bit PC Cards; zoomed video support in bottom slot only

Storage

Diskette Drives	1.44 MB
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CD-ROM	20X Max ² CD-ROM Drive IDE
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Hard Drives	Up to 4 GB ¹
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Multimedia

Compaq PremierSound for enhanced stereo audio
Integrated 16-bit Sound Blaster Pro-compatible stereo audio
Integrated stereo speakers and microphone
Software/hardware volume control
Headphone out
Microphone in jacks
Software MPEG1 support
Internal 20X Max² CD-ROM Drive

Standard Features

Interfaces

PC Card	Two Type II/One Type III
Enhanced Parallel	1
Serial	1
External Monitor	1
External Keyboard/ Pointing Device	1
Convenience Base	1
Headphone/Line out	1
Microphone in	1
AC Power	1
RJ-11	1
Infrared	1 (4 Mb/s ⁶ support)
USB	1

Graphics

64-bit video graphics with 2-MB EDO DRAM for increased color depth and graphics performance

Display

13.3-inch color TFT with 1024 x 768 resolution (up to 64K colors internal)
1598DMT

12.1-inch color TFT with 800 x 600 resolution (up to 16.7M colors internal)
1592DMT

12.1-inch high-contrast color and fast response STN with 800 x 600 resolution (up to 16.7M colors internal)
1573DM
1571DM

Software

Windows 95
Intelligent Manageability
Microsoft Internet Explorer
CompuServe and AOL
Microsoft NetMeeting
Microsoft PC Card Manager

OS Support

Windows NT Workstation 4.0
Windows 98
Windows 95

Intelligent Manageability

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

Security

Cable lock support
Power-on password
Set-up passwords
Ability to disable serial port, parallel port, diskette drive, diskette drive boot sequence

Standard Features

Power Supply

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 life⁷ supported with one battery; four to six hours when using two batteries

Power Conservation

Hibernation
Instant-On via Standby
Pop-ups with three presets
One custom level of power conservation

Service and Support

Compaq Services includes a one-year, Worldwide Limited Warranty⁴, 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

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

Monitors⁸

TFT8000 Flat Panel	307906-001
TFT5000 Flat Panel	325700-001
TFT450 Flat Panel	170406-001
P110 Color ⁹	284956-001
P75 Color	307806-001
V1000 Color	351757-001
V900 Color	303500-001
V75 Color	307710-001
V500 Color	325900-001
S900 Color	360562-001
S700 Color	360512-001

Hard Drives

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

PC Cards/Communications

56K ³ PC Card Modem	295050-001
USB CardBus ⁵ 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

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 1-800-888-5903.

Memory

Compaq Armada 1500

STANDARD MEMORY

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

Standard	Slot
32 MB	1 Empty

STANDARD MEMORY PLUS

OPTIONAL MEMORY

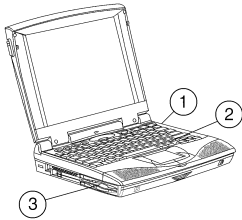
Support for up to 96 MB of 60 ns SDRAM is available with the installation of an optional Memory Upgrade.

Up To	Slot
48 MB	1 16 MB
64 MB	32 MB
96 MB	64 MB

Following are memory options available from Compaq:

- 64-MB Memory Upgrade 220685-B21
- 32-MB Memory Upgrade 220580-B21
- 16-MB Memory Upgrade 272109-B21

Storage



- 1 CD-ROM Drive Bay (DVD optional)
- 2 Upgradeable Hard Drive (Internal)
- 3 Dual Bay

DRIVE SUPPORT

	Quantity Supported	Drive Bay Supported
Removeable Media		
1.44-MB Diskette Drive	Up to 1	Dual Bay
20X Max ² CD-ROM Drive (optional DVD)	Up to 1	CD-ROM Drive Bay
Hard Drives		
4-GB ¹ SMART Hard Drive	Up to 1	Upgradeable Hard Drive
3.2-GB ¹ SMART Hard Drive	Up to 1	Upgradeable Hard Drive

Technical Specification

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	7.68lbs/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	35W
Peak Operating Power	40W
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 Oct/Min sweep rate
Non-operating	1 G, 1 Oct/Min sweep rate
Maximum Altitude (unpressurized)	
Operating	10,000 ft/3.05 km
Non-operating	30,000 ft/9.14 km

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	4W

Technical Specifications

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	16M
Contrast Ratio	35:1
Brightness	100 cd/m ² (typical)
Response Time	150 ms
Pixel Resolution	
Pitch	0.3 x 0.3 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	Edge Lit
Character Display	80 x 25, 80 x 50
Total Power Consumption (with backlight)	6W (max)

12.1-Inch Color TFT 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	16M
Contrast Ratio	100:1
Brightness	Over 100 cd/m ² (typical)
Pixel Resolution	
Pitch	0.3 x 0.3 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	Edge Lit
Character Display	80 x 25, 80 x 50
Total Power Consumption (with backlight)	6W (max)

QUICK SPECS

Compaq Armada 1500

Technical Specification

Hard Drives

4 GB¹	Capacity	4 GB ¹	Seek Time (typical reads, including settling)	
	Height	1 in	Single Track	4 ms
	Size	2.5 in	Average	13 ms (read) 14 ms (write)
	Interface	ATA	Full-Stroke	23 ms
	Transfer Rate		Rotational Speed	4009 rpm
	Synchronous (Max)	33.3 MB	Physical Configuration	
			Bytes/sector	512
			Logical Blocks	
			Operating Temperature	5° to 55°C

3.2 GB¹	Capacity	3.2 GB ¹	Seek Time (typical reads, including settling)	
	Height	1 in	Single Track	4 ms
	Size	2.5 in	Average	13 ms (read) 14 ms (write)
	Interface	ATA	Full-Stroke	23 ms
	Transfer Rate		Rotational Speed	4009 rpm
	Synchronous (Max)	33.3 MB	Physical Configuration	
			Bytes/sector	512
			Logical Blocks	
			Operating Temperature	5° to 55°C

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

External AC Adapter

Weight	0.66 lb/0.3 kg
Power Supply (Input)	
Operating Voltage	90 to 260 VAC RMS
Operating Current	1.1 A RMS
Operating Frequency Range	47 to 63 Hz AC
Maximum Transient	4/50 kV

Technical Specifications

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/0.39 kg
Energy	
Voltage	14.4V
Amp-hour capacity	2.8 Ah
Watt-hour capacity	40Wh
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/0.54 kg
Energy	
Voltage	9.6V
Amp-hour capacity	4 Ah
Watt-hour capacity	36Wh
Temperature	
Operating	50° to 104°F/10° to 40°C
Non-operating	-12° to 140°F/-25° 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	1.1 Amp Maximum
Rated Voltage	100 to 240 VAC
Rated Current	1 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

QUICK SPECS

Compaq Armada 1500

Technical Specification

Convenience Base

Shock

Operating	10 G, 11 ms, half-sine
Non-operating	140 G, 2 ms, half-sine

Vibration

Operating	0.25 G, 5 to 500 Hz, 0.5 octave/min sweep rate
Non-operating	1 G, 5 to 500 Hz, 0.5 octave/min sweep rate

Monitor Support

Up to 55 lbs/24.95 kg

Temperature

Operating	50° to 104°F/10° to 40°C
Non-operating	-12° to 140°F/-25° to 60°C

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 µm
Laser	
Output power	0.24 +/- 0.1 mW
Type	GaAlAs double hetero laser diode
Wave length	770-795 nm at Ph-2.7 mW
Access Times (typical reads, including settling)	150 ms
Audio Output Level	
Line out	0.8 to 1.2 Vrms
Headphone	None
Cache Buffer	128 KB
Data Transfer Rate (typical, including settling)	
Sustained (16X)	2400KB/s 150 KB/s
Normal PIO Mode 4 (single burst)	16.66 MB/s
Start Time	< 8 sec

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 IR peripherals and applications used.

⁷ 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.

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

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