

# OVERVIEW

Compaq Armada 3500

## BENEFITS AT A GLANCE

- Lightweight Pentium® II notebook as low as 4.4 lbs, 2 kg
- Intel Mobile Pentium II processors up to 300 MHz and 512 KB level two cache
- 13.3-inch CTFT display (1024 x 768) or 12.1-inch CTFT display (SVGA)
- Magnesium alloy display enclosure
- High flexibility with Mobile 3500 Expansion Unit, which supports SuperDisk LS-120 Drive, Zip drive, diskette drive, or a second Hard Drive
- Wide palm rest and Multifunctional EasyPoint IV Pointing Stick
- 64-bit PCI local bus graphics
- 32 MB and 64 MB SDRAM of standard memory -Expandable up to 192 MB<sup>1</sup>
- 4.1- or 6.4-GB<sup>2</sup> SMART Hard Drives
- Full-sized 101-key compatible keyboard
- Intelligent Manageability for lower total cost of ownership
- Compaq Services including a three-year, Worldwide Limited Warranty<sup>3</sup> with 2nd business day<sup>4</sup> expedited pick-up and repair in North America

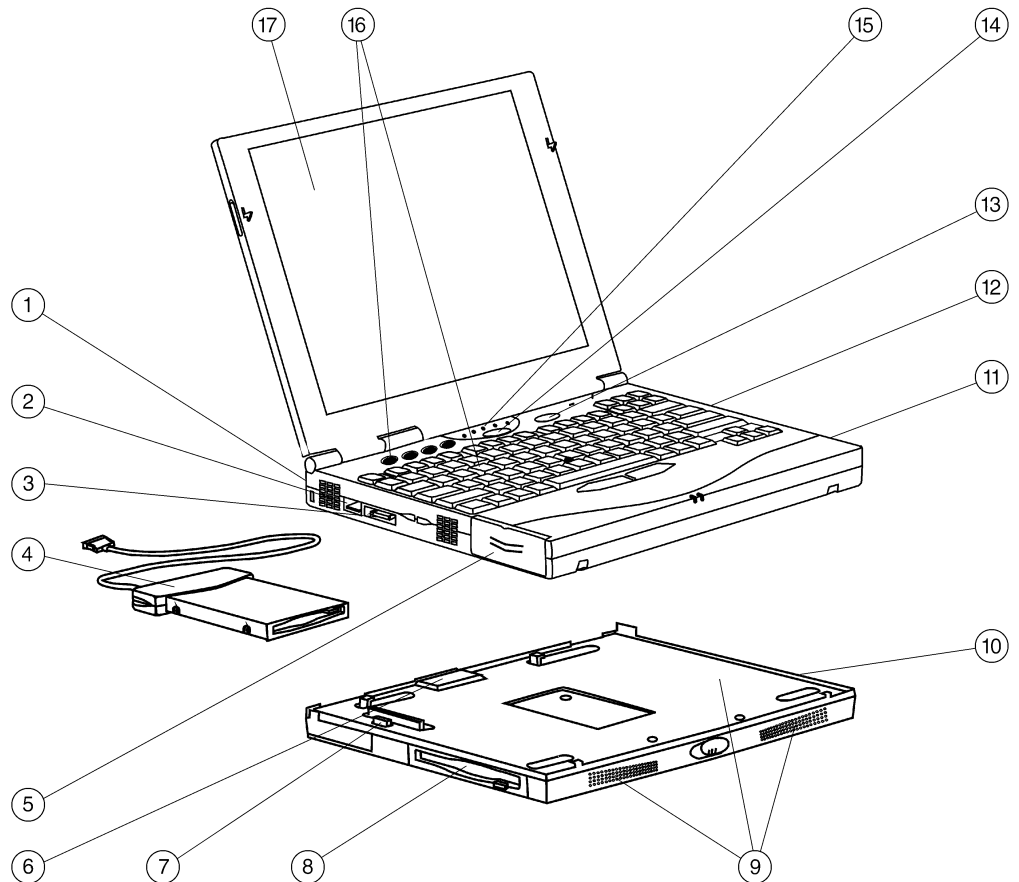
<sup>1</sup> When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

<sup>2</sup> For Hard Drives, GB = Billion Bytes.

<sup>3</sup> Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

<sup>4</sup> Pick-up and delivery service is available in 48 contiguous US States and Canada. Eligibility for priority pick-up (2nd business day return) is limited to certain geographic locations. Carry-in services available outside the US and Canada.

<sup>5</sup> Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.



1. Headphone Connector, Microphone Connector
2. USB Port
3. External Diskette Drive port
4. External Diskette Drive adapter (supports floppy diskette drive)
5. Li-Ion Battery
6. AC Adapter
7. Expansion connector
8. MultiBay (supports 2nd Hard Drive, SuperDisk LS-120 Drive, Zip Drive or floppy diskette drive)
9. Speakers, Subwoofer
10. Fixed 24X Max<sup>5</sup> CD-ROM Drive or DVD-ROM Drive
11. Speaker
12. PC Card Slots
13. Power Switch
14. Suspend/Resume Button
15. LEDs
16. Full-Sized Keyboard with Four User-programmable Keys
17. Display

### MODELS

**Armada 3500**  
(With Windows 95)  
Model  
6266/T/4100/0/0/1  
310200-001

**Armada 3500**  
(With Windows 95)  
Model  
6300/T/6400/0/0/1  
310300-001

### STANDARD FEATURES

#### Lightweight and Flexible Design

Ideal for the highly mobile professional, the Armada 3500 offers portability and flexibility. The Armada 3500 weighs as low as 4.4 pounds and is only 1.3 inches thin, and features Pentium® II performance, full size displays and a full size keyboard. For flexibility and changing needs, the Armada 3500 may be connected to the Mobile 3500 Expansion Unit for CD-ROM or DVD-ROM and MultiBay capabilities. The MultiBay supports a diskette drive, a second hard drive, a SuperDisk LS-120 Drive or a Zip drive

#### Processor

Armada 3500 Model 6266/T/4100/0/0/1: Intel Mobile Pentium II processor 266 MHz with 512 KB Pipeline Burst Synchronous level two cache

Armada 3500 Model 6300/T/6400/0/0/1: Intel Mobile Pentium II processor 300 MHz with 512 KB Pipeline Burst Synchronous level two cache

#### Architecture

64-bit CPU and Graphics, PCI (33 MHz)

#### Display/Graphics

Magnesium alloy display enclosure to protect against the rigors of travel with a 64-bit video graphics on a PCI local bus and 2-MB EDO for increased color depth and graphics performance

Armada 3500 Model 6266/T/4100/0/0/1: 12.1-inch color SVGA TFT with up to 800 x 600 resolution in panning mode and 24-bit true color (16.7 million colors internal)

Armada 3500 Model 6300/T/6400/0/0/1: 13.3-inch color TFT with 1024 x 768 resolution (up to 64K colors internal)

#### Memory

Armada 3500 Model 6266/T/4100/0/0/1: 32 MB of RAM, expandable to 160 MB<sup>1</sup>

Armada 3500 Model 6300/T/6400/0/0/1: 64 MB of RAM, expandable to 192 MB<sup>1</sup>

#### Hard Drives

Armada 3500 Model 6266/T/4100/0/0/1: 4.1-GB<sup>2</sup> SMART Hard Drive

Armada 3500 Model 6300/T/6400/0/0/1: 6.4-GB<sup>2</sup> SMART Hard Drive

#### Diskette Drive

The diskette drive, provided with the standard system, may be used without occupying the parallel port. The diskette drive fits into the external diskette drive adapter, which has a dedicated port, or into the MultiBay of the Mobile 3500 Expansion Unit

#### Storage

Up to 6.4 GB<sup>2</sup> standard

Up to 12.8 GB<sup>2</sup> with Mobile 3500 Expansion Unit

#### Multimedia

Compaq PremierSound™ for enhanced stereo audio including integrated 16-bit Sound Blaster Pro-compatible stereo audio, integrated speaker and software volume control, headphone out jack, microphone in jacks, software MPEG, and hardware

#### PC Card Slots

Two Type II/One Type III PC Card Slot(s) with CardBus<sup>3</sup>

#### Infrared Communication Port

Capable of IrDA 4 Mb/s<sup>4</sup> compatible infrared communication port for wireless communication with infrared devices

#### AC Power/Battery Life

External AC Adapter weighing approximately 0.8 lb allows simultaneous system operation and battery charge from up to 10 feet away from a power source. The Li-Ion Battery provides over 2 hours of battery life<sup>5</sup>. An optional Extended Life Li-Ion Battery provides over 3 hours of battery life<sup>5</sup>. The Power Conservation provides Hibernation, Instant-On via Standby; pop-ups with three presets and one custom level of power conservation as well as ACPI hardware-ready support

#### Integrated Pointing Device

Keyboard-integrated, textured, Multifunctional EasyPoint IV Pointing Stick with press-to-select features

#### Keyboard

101-key compatible keyboard with isolated, inverted-T cursor control keys, 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, speaker volume control, brightness

**STANDARD FEATURES** (cont'd)

**Dimensions (HxWxD)**

Stand-alone system:  
9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm

**Weight**

Model 6266/T/4100/0/0/1:

**Stand-alone configured**

Without AC Adapter and Cord: 4.4 lbs/2.0 kg  
With AC Adapter and Cord: 5.3 lbs/2.4 kg

**With External Diskette Drive Configured**

Without AC Adapter and Cord: 4.7 lbs/2.1 kg  
With AC Adapter and Cord: 5.7 lbs/2.6 kg  
Model 6300/T/6400/0/0/1:

**Stand-alone configured**

Without AC Adapter and Cord: 4.6 lbs/2.1kg  
With AC Adapter and Cord: 5.6 lbs/2.5 kg

**With External Diskette Drive Configured**

Without AC Adapter and Cord: 5.4 lbs/2.5 kg  
With AC Adapter and Cord: 6.3 lbs/2.9 kg

**Software**

Microsoft Windows 95 and support for Windows 98, Windows NT Workstation 4.0, Compaq Intelligent Manageability, Security, CompaqDiagnostics, Compaq Power Management, Online Safety and Comfort Guide, Online Reference Guide, and Carbon Copy

**Interfaces**

Infrared, enhanced parallel, serial, external monitor, PS/2device, AC adapter/automobile adapter, microphone-in, headphone-out, and USB

**Compaq Intelligent Manageability Software**

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

**Security Features**

Cable lock support; power-on and set-up passwords; ability to disable serial port, parallel port, diskette drive, diskette drive boot sequence, and Drive Lock for advanced data protection

**Service and Support**

Compaq Services provides a range of services for the Armada 3500, including a three-year Worldwide Limited Warranty<sup>6</sup>, with 7 day a week, 24 hour a day service line at 1-800-OK-Compaq (1-800-652-6672) and a free one-year 2nd business day<sup>7</sup> pick-up and delivery service from Compaq. All shipping and handling materials are supplied by Compaq

**OPTIONS**

**Mobile 3500 Expansion Unit**

The Mobile 3500 Expansion Unit provides greater flexibility for the sophisticated mobile professional. Access to a variety of different media for additional storage or reference is made simple and portable without cumbersome cables

**Fixed Optical Device Bay**

24X Max<sup>8</sup> CD-ROM or DVD-ROM

**MultiBay**

Accommodates diskette drive, SuperDisk LS-120 Drive, Zip drive, or a second hard drive

**Speakers**

Provides full multimedia with integrated stereo speakers and woofer in MEU

**Dimensions (HxWxD)**

**(with Mobile 3500 Expansion Unit)**

Stand-alone system:  
9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm

**Weight (with Mobile 3500 Expansion Unit)**

Model 6266/T/4000/0/0/1:

**Weight Saver Configured**

Without Power Cord: 6.6 lbs/3.0 kg  
With Power Cord: 7.1 lbs/3.2 kg

**Diskette Drive Configured**

Without Power Cord: 7.1 lbs/3.2 kg  
With Power Cord: 7.6 lbs/3.5 kg  
Model 6300/T/6400/0/0/1:

**Weight Saver Configured**

Without Power Cord: 6.8 lbs/3.1 kg  
With Power Cord: 7.3 lbs/3.3 kg

**Diskette Drive Configured**

Without Power Cord: 7.3 lbs/3.3 kg  
With Power Cord: 7.8 lbs/3.6 kg

**Memory**

16-MB SDRAM Memory Modules	314889-B21
32-MB SDRAM Memory Modules	314890-B21
64-MB SDRAM Memory Modules	314891-B21

**Hard Drives**

4.1-GB <sup>2</sup> SMART Hard Drive	310312-B21
6.4-GB <sup>2</sup> SMART Hard Drive	310313-B21

**OPTIONS** (cont'd)

**PC Card/Communications**

56K PC Card Modem <sup>9</sup>	295050-001
USB CardBus Card	296501-B21
Compaq Ethernet LAN PC Card	224750-001
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
16/4 TR PC Card IBM UTP/STP Controller	301208-B21

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

**Expansion/Convenience Bases**

24X Max <sup>8</sup> Mobile CD 3500 Expansion Unit	310250-001
DVD Mobile3500 Expansion Unit	310330-001
Convenience Base II (Ethernet) <sup>10</sup>	316239-001
Convenience Base II (Pass-Through) <sup>10</sup>	316238-001
Convenience Base Monitor Stand	316246-B21

**MultiBay Devices for the Mobile 3500 Expansion Bases**

SuperDisk LS-120 Drive	310314-B21
Zip Drive	310315-B21
Auxiliary Hard Disk Drive 6.4 GB <sup>2</sup> for slice	310380-B21

**Power**

3-wire power cord (10ft)	217932-002
AC Adapter w/Battery Charger	296537-B21
Extended Life Battery, 9 cell Li-Ion	310316-B21
Auto/Aircraft adapter	296537-B21

**Monitors**

S700 Color <sup>11</sup>	360512-001
S900 Color <sup>11</sup>	360562-001
V55 Color <sup>11</sup>	308006-001
V75 Color <sup>11</sup>	307710-001
V90 Color <sup>11</sup>	305609-001
V900 Color <sup>11</sup>	303500-001
V1000 Color <sup>11</sup>	351757-001
P75 Color <sup>11</sup>	307806-001
P110 Color <sup>11,12</sup>	284956-001
P1610 Color <sup>11,12</sup>	305708-001
TFT450 Flat Panel <sup>11</sup>	170406-001
TFT500 Flat Panel <sup>11</sup>	285006-001

**Other**

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

**Input Devices**

External Infrared Transceiver	220687-002
External Enhanced III Keyboard (beach gray)	110562-001
External Enhanced III Keyboard (opal)	294343-001
Compaq Mouse (beach gray)	143315-001
Compaq Mouse (opal)	143315-B21

**Carrying Cases**

CPQ Value Case	294260-B21
CPQ Workstation Case	294267-B21
CPQ Global Case	294268-B21
CPQ Executive Case	294269-B21

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

<sup>1</sup> When the 128-MB SDRAM Memory Kit becomes available in 4Q98.  
<sup>2</sup> For Hard Drives, GB = Billion Bytes.  
<sup>3</sup> Full support in Windows 9.x.  
<sup>4</sup> IrDa 4MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.  
<sup>5</sup> Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 2.0, the battery life of the Armada 3500 will range up to 2.1 hours. Standard configuration at time of announce (9/8/98) is considered to be one battery, a 800x600 (256 colors) panel set at 50% brightness, 32MB RAM, and no drives other than the hard drive active.  
<sup>6</sup> Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.  
<sup>7</sup> Pick-up and delivery service is available in 48 contiguous US states and Canada. Eligibility for priority pick-up (2nd business day return) is limited to certain geographic locations. Carry-in service available outside the US and Canada.  
<sup>8</sup> Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.  
<sup>9</sup> 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 supports Microsoft Windows 9.x and Microsoft Windows NT 4.0.  
<sup>10</sup> Mobile 3500 Expansion Unit required for use.  
<sup>11</sup> AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.  
<sup>12</sup> May not be compatible with the ArmadaStation Monitor Stand, Convenience Base I or Convenience Base II due to weight limitations.

# FEATURES

Compaq Armada 3500

Compaq Armada 3500 6266/T/4100/0/0/1

Compaq Armada 3500 6300/T/6400/0/0/1

## System Unit

### Microprocessor

Standard

Intel Mobile Pentium® II processor 266-MHz

Intel Mobile Pentium II processor 300-MHz

### Cache

Integrated 32KB; 512-KB level 2

Integrated 32KB; 512-KB level 2

### Architecture

64-bit CPU and Graphics, PCI/(33 MHz)

64-bit CPU and Graphics, PCI/(33 MHz)

### RAM

Standard

32 MB SDRAM

64 MB SDRAM

Maximum

160 MB<sup>1</sup>

192 MB<sup>1</sup>

### Coprocessor

Integrated

Integrated

### Advanced Power Management

Yes

Yes

## Display

### Type

12.1-inch color TFT

13.3-inch color TFT

### Resolution

800 x 600 with up to 16.8 million colors

1024 x 768 with up to 64 K colors

### Extended Text

Yes

Yes

## Graphics

### 64-bit PCI Local Bus Video

Yes

Yes

### 800 x 600 External (up to 100Hz)

Yes

Yes

### 1024 x 768 External (up to 100Hz)

Yes

Yes

### 1280 x 1024 External (up to 75Hz)

Yes

Yes

## Storage

### 1.44-MB Diskette Drive

Standard, External

Standard, External

### Upgradable SMART Hard Drives

Standard

4.1 GB<sup>2</sup>

6.4 GB<sup>2</sup>

Optional

4.1 or 6.4 GB<sup>2</sup>

4.1 or 6.4 GB<sup>2</sup>

### Mobile 3500 Expansion Unit

Optional

Optional

## Interfaces

### PC Card

Two Type II/One Type III slot(s)

Two Type II/One Type III slot(s)

### Infrared Communication Port

1 (4 Mb/s<sup>3</sup> supported)

1 (4 Mb/s<sup>3</sup> supported)

### Enhanced Parallel

1

1

### Serial

1

1

### External Monitor

1

1

### External Keyboard/Integrated

1

1

Multifunctional EasyPoint IV  
Pointing Stick

### Expansion Base Connector

1

1

### AC Adapter/Automobile Adapter

1

1

Compaq Armada 3500 6266/T/4100/0/0/1

Compaq Armada 3500 6300/T/6400/0/0/1

**Interfaces** *(cont'd)*

Microphone In	1	1
Headphone Out	1	1
Stereo Line In	1	1

**Monitors**

S700 Color <sup>4</sup>	Optional	Optional
S900 Color <sup>4</sup>	Optional	Optional
V55 Color <sup>4</sup>	Optional	Optional
V75 Color <sup>4</sup>	Optional	Optional
V90 Color <sup>4</sup>	Optional	Optional
V900 Color <sup>4</sup>	Optional	Optional
V1000 Color <sup>4</sup>	Optional	Optional
P75 Color <sup>4</sup>	Optional	Optional
P110 Color <sup>4,5</sup>	Optional	Optional
P1610 Color <sup>4,5</sup>	Optional	Optional
TFT450 Flat Panel <sup>4</sup>	Optional	Optional
TFT500 Flat Panel <sup>4</sup>	Optional	Optional

**Keyboard**

101-key compatible keyboard with Inverted-T Cursor Keys, Hotkeys, Right Ctrl Key and four User-Programmable Keys, Windows keys	Yes	Yes
Multifunctional EasyPoint IV Pointing Stick	Yes	Yes
External Enhanced III Keyboard	Optional	Optional

**Supported System Software**

Software	Windows 95, Insight Management Agents, Intelligent Manageability, Security 32, Diagnostics for Windows 95, Compaq Power Management, Online Safety and Comfort Guide, Reference Guide, Carbon Copy	Windows 95, Insight Management Agents, Intelligent Manageability, Security 32, Diagnostics for Windows 95, Compaq Power Management, Online Safety and Comfort Guide, Reference Guide, Carbon Copy
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**Physical Specifications**

Dimensions (HxWxD)	9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm	9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm
Weight (shipping)	4.4 lb/2.0 kg	4.6 lb/2.1 kg

<sup>1</sup> When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

<sup>2</sup> For Hard Drives, GB = Billion Bytes.

<sup>3</sup> IrDA 4MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.

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

<sup>5</sup> May not be compatible with the ArmadaStation Monitor Support Stand, the Convenience Base I or the Convenience Base II due to weight limitations.

# MEMORY

Compaq Armada 3500

## Compaq Armada 3500





### STANDARD MEMORY

32-MB Standard on System Board

Standard	Slot
1	
32 MB	

### STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 160 MB<sup>1</sup> of memory with the installation of optional SDRAM Memory Kits

Up To	Slot
1	
48 MB 	
64 MB 	
96 MB 	
160 MB 	





### STANDARD MEMORY

64-MB Standard on System Board

Standard	Slot
1	
64 MB	

### STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 192 MB<sup>1</sup> of memory with the installation of optional SDRAM Memory Kits

Up To	Slot
1	
80 MB 	
96 MB 	
128 MB 	
192 MB 	

**Note:** Following are memory options available from Compaq:

- 16-MB SDRAM Memory Kit 314889-B21
- 32-MB SDRAM Memory Kit 314890-B21
- 64-MB SDRAM Memory Kit 314891-B21

<sup>1</sup> When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

# TECHSPECS

Compaq Armada 3500

## System Unit

<b>Dimensions (HxWxD)</b>		
Stand alone system	9.2 x 11.8 x 1.3 in	
Stand alone system w/Mobile Expansion Unit	235 x 300 x 33.5mm	
<b>Weight (system only)</b>		
Stand alone Configured	<b>12.1 in Display</b>	<b>13.1 in Display</b>
Without AC Adapter and Power Cord	4.4 lb/2.0 kg	4.7 lb/2.1 kg
With AC Adapter and Power Cord (Total Carrying weight)	5.3 lb/2.4 kg	5.7 lb/2.6 kg
With External FDD Configured		
Without Power Cord	5.1 lb/2.3 kg	5.4 lb/2.5 kg
With Power Cord (Total Carrying weight)	6.0 lb/2.7 kg	6.3 lb/2.9 kg
<b>Stand-Alone Power Requirements</b>		
Maximum Operating Power	20 W	
Peak Operating Power	28 W (with M35EU)	
<b>Power Supply (External AC Adapter)</b>		
Rated Input Voltage	100-240 VAC	
Rated Input Current	1A	
Line Frequency	50-60 Hz	
Sound Power	3.5 Bels	
<b>Temperature</b>		
Operating	10° to 40°C	
Non-operating	-20° to 60°C	
<b>Relative Humidity (non-condensing)</b>		
Operating	10 to 90%	
Nonoperating	5 to 95%, 38.7°C Maximum wet bulb temperature	
<b>Shock</b>		
Operating	10 G	
Nonoperating	60 G	
<b>Vibration</b>		
Operating	0.000862 G/Hz, (nominal 0.5 Grms)	
Nonoperating	0.0138 G/Hz, (nominal 2.0 Grms)	
<b>Maximum Altitude</b>		
Operating	10,000 ft/3.05 km	
Nonoperating	30,000 ft/9.14 km	

## 12.1-Inch Color TFT SVGA Display

<b>Dimensions (HxW)</b>	7.26 x 9.68 in/18.45 x 24.6 cm
<b>Diagonal Size</b>	12.1 in/30.7 cm
<b>Mounting</b>	Internal
<b>Number of Colors</b>	Up to 16.8 million with dithering
<b>Contrast Ratio</b>	150:1
<b>Brightness</b>	Over 135 cd/m <sup>2</sup>
<b>Pixel Resolution</b>	
Pitch	31 x 31 mm
Format	800 x 600
Configuration	RGB Stripe
<b>Backlight</b>	Edge Lit
<b>Character Display</b>	80 x 25
<b>Total Power Consumption</b>	7 W



13.3-Inch Color TFT  
1024 x 768 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>	Up to 16.8 million with dithering
<b>Contrast Ratio</b>	Minimum 100:1
<b>Brightness</b>	Over 120 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>	7 W

SMART Hard Drives<sup>1</sup>

	<b>4.1-GB<sup>2</sup></b>	<b>6.4-GB<sup>2</sup></b>
<b>Formatted Capacity Per Drive</b>	4.09 GB <sup>2</sup>	6.48 GB <sup>2</sup>
<b>Drive Type</b>	65	65
<b>Transfer Rate</b>		
Media	51.7-83.4 Mb/s	67.5-111.9 Mb/s
Interface	16.6 Mb/s, 33.3 Mb/s (UDMA)	16.6 Mb/s, 33.3 Mb/s (UDMA)
<b>Sector Interleave</b>	1:1	1:1
<b>Seek Times (typical, including settling)</b>		
Track-to-track	4.0 ms	3.0 ms
Average	13.0 ms	13.0 ms
Maximum	23.0 ms	25.0 ms
<b>Disk Rotational Speed</b>	4009 rpm	4200 rpm
<b>Physical Configuration</b>		
Cylinders	6975	8960
Heads	6	6
Sectors per track	114-240	178-294
Bytes per sector	512	512
<b>Logical Configuration</b>		
Cylinders	7944	13424
Heads	16	15
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>	On-System
<b>Height</b>	.5 in/12.7 mm
<b>Bytes per Sector</b>	512

## Diskette Drive (cont'd)

<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)
Normal 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

## AC Adapter (External)

<b>Dimensions (HxWxL)</b>	1.1 x 1.8 x 4.3 in/2.7 x 4.4 x 10.5 cm
<b>Weight</b>	.6 lb/.3 kg
<b>Power Supply (Input)</b>	
Voltage	100 - 240 VAC
Current	< .9 A
Input Frequency	50 to 60 Hz
<b>Temperature</b>	
Normal Operating	140° F/60° C
Operating	41° to 104° F/5° to 40° C
Nonoperating	-4° to 185° F/-20° to 85° C
<b>Relative Humidity</b>	
Operating	10 to 95%
Nonoperating	10 to 95%

## Standard Li-Ion Battery Pack

<b>Dimensions (HxWxL)</b>	0.9 x 8.6 x 2.64 in/2.4 x 21.8 x 6.7 cm
<b>Weight</b>	.89 lb/.40 kg
<b>Cells</b>	6
<b>Energy</b>	
Voltage	10.8V
Amp-hour capacity	3.0 Ah
Watt-hour capacity	32.4 W
<b>Temperature</b>	
Operating	50° to 104° F/10° to 40° C
Nonoperating	-12° to 140° F/-30° to 60° C
<b>Performance (Typical)</b>	
Charging time (6-cell)	2.0 hours nonoperating/4 hours trickle charge
Battery Life (6-cell)	Over 2 hours <sup>3</sup>
Suspend Life (6-cell)	250 hours/10 days

**Extended Life Li-Ion Battery Pack (optional)**

<b>Dimensions (HxWxL)</b>	0.9 x 11.2 x 2.6 in/2.4 x 28.4 x 6.7 cm
<b>Weight</b>	9 lb/4 kg
<b>Energy</b>	
Voltage	10.8 V
Amp-hour capacity	4.5 Ah
Watt-hour capacity	48.6 Wh
<b>Temperature</b>	
Operating	50° to 104° F/10° to 40° C
Nonoperating	-12° F to 140° F/-30° to 60° C
<b>Performance</b>	
Battery Life (9-cell)	Over 3 hours <sup>3</sup>
Charging time (9-cell)	3.0 hours nonoperating/5 hours trickle charge

**24X Max<sup>+</sup> CD-ROM Mobile 3500 Expansion Unit (optional)**

<b>Dimensions (HxWxD)</b>	
Stand-alone	0.9 x 11.7 x 9.0 in/2.3 x 30.0 x 23.6 cm
With system	2.1 x 11.8 x 9.3 in/5.4 x 30.0 x 23.6 cm
<b>Weight</b>	2.6 lbs/1.2 kg
<b>Power Supply (Input)</b>	
Rated Voltage	100 to 240 VAC
Rated Current	1 Amp Maximum
Line Frequency	50 to 60 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	20 to 80%
Nonoperating	5 to 90%
<b>Altitude</b>	
Operating	10,000 ft/3.15 km
Nonoperating	30,000 ft/9.14 km
<b>Shock</b>	
Operating	5 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	0.75 G, 5 to 500 Hz, 0.5 octave/min sweep rate

**24X Max<sup>+</sup> CD-ROM Drive (included with the Mobile 3500 Expansion Unit)**

<b>Compatible Disc Formats</b>	CD-ROM, CD_XA ready (Except ADPCM), CD-I ready, CD-DA, CD-R (read only), CD Plus, Photo CD (single and multi-session), CD-Extra, Video CD, CD-G, CD-RW
<b>Center Hole Diameter</b>	15 mm
<b>Disc Diameter</b>	8 cm
<b>Disc Thickness</b>	1.2 mm
<b>Track Pitch</b>	1.6 µm

**24X Max<sup>4</sup> CD-ROM Drive**  
(included with the Mobile  
3500 Expansion Unit)  
(cont'd)

<b>Laser</b>	
Output power	0.24 +/- 0.1 mW
Type	GaAiAS double hetero laser diode
Wave length	780 nm at Ph-4.3 mW
<b>Access Time</b>	
Random	150 ms (typical)
Full stroke	300 ms (typical)
<b>Audio Output Level – Line Out</b>	
	.8 Vrms +/- 0.27 Vrms
<b>Cache Buffer</b>	
	128 KB
<b>Data Transfer Rates</b>	
Sustained 1X	150 Kb/s
Sustained 24X	3600 Kb/s (outer diameter)
<b>Start up Time</b>	
	< 8 sec
<b>Stop Time</b>	
	< 4 sec

**DVD-ROM Mobile**  
**3500 Expansion Unit**  
(optional)

<b>Dimensions (HxWxD)</b>	
Stand-alone	0.9 x 11.7 x 9.0 in/2.3 x 30.0 x 23.6 cm
With system	2.1 x 11.8 x 9.3 in/5.4 x 30.0 x 23.6 cm
<b>Weight</b>	
	2.6 lbs/1.2 kg
<b>Power Supply (Input)</b>	
Rated Voltage	100 to 240 VAC
Rated Current	1Amp Maximum
Line Frequency	50 to 60 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	20 to 80%
Nonoperating	5 to 90%
<b>Altitude</b>	
Operating	10,000 ft/3.15 km
Nonoperating	30,000 ft/9.14 km
<b>Shock</b>	
Operating	5 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	0.75 G, 5 to 500 Hz, 0.5 octave/min sweep rate

**DVD-ROM Drive** (included  
with the Mobile 3500  
Expansion Unit)

<b>Compatible Disc Formats</b>	DVD; DCD-Video, DVD-ROM, DVD-R, CD-DA, CD-ROM, CD-XA (except ADPCM), CD-I ready , CD-R (read only), CD-Plus, Photo CD, CD-Extra, Video CD
<b>Center Hole Diameter</b>	.59 in/15 mm
<b>Disc Diameter</b>	12 cm, 8 cm
<b>Disc Thickness</b>	1.2 mm

DVD-ROM Drive (included with the Mobile 3500 Expansion Unit) (cont'd)

<b>Track Pitch</b>	1.6 $\mu$ m
<b>Laser</b>	
Beam divergence	53.5 +/- 1.5°
Output power	0.13 +/- .1 mw
Type	Semiconductor Laser GaAlAs
Wave length	780 +/- 25 nm
<b>Access Times</b> (typical, including settling)	
DVD-ROM	200 ms
CD-ROM	150 ms
<b>Audio Output Level</b>	
Line out	0.8+/- .27 Vrms
Headphone	none
<b>Cache Buffer</b>	128 KB
<b>Data Transfer Rate</b> (typical, including settling)	
DVD-ROM	2X CLV (2700 Kb/s)
CD-ROM	20X Max (3000 Kb/s)
Burst	16.66 Mb/s
<b>Startup Time</b>	< 15 seconds
<b>Stop Time</b>	< 6 seconds

<sup>1</sup> Hard drive specifications may vary slightly depending on vendor.

<sup>2</sup> For Hard Drives, GB = Billion Bytes.

<sup>3</sup> Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 2.0, the battery life of the Armada 3500 will range up to 2.1 hours. Standard configuration at time of announce is considered to be one battery, a 800x600 (256 colors) panel set at 50% brightness, 32MB RAM and no drives other than the hard drive active.

<sup>4</sup> Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.