

Overview

What's New

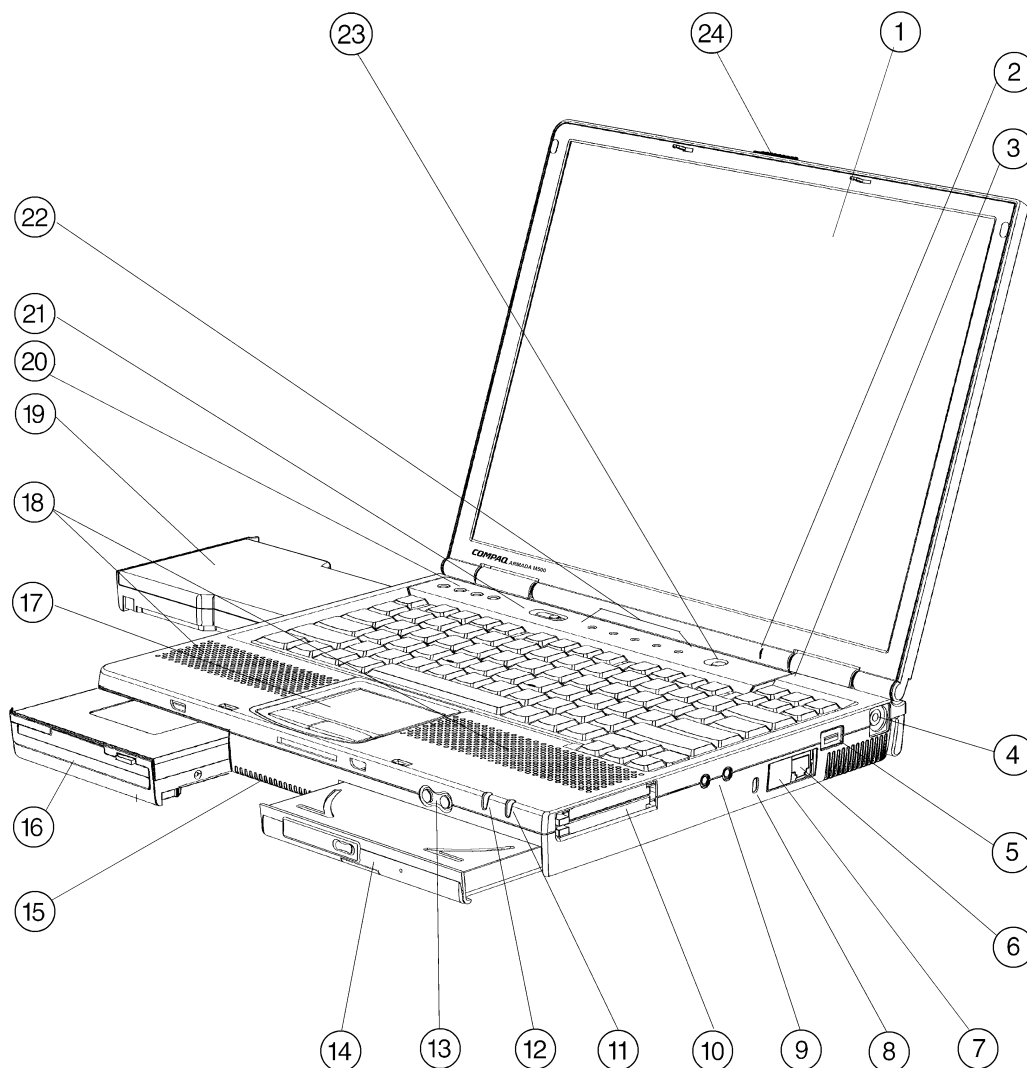
- Intel® Mobile Pentium® III 1.0 GHz and 900 MHz processors

At A Glance

- Intel Mobile Pentium III processor up to 1.0 GHz processors with Intel SpeedStep™ technology in standard configurations
- Up to 15-inch TFT SXGA+ display
- All-in-One 3-spindle design
- As little as 5.65 lb and 1.6 in thin
- 8-MB Video SDRAM
- User removable hard drive
- Integrated Mini PCI modem /NIC Combo
- Microsoft® Windows® 2000/Windows NT® 4.0 (Dual Install) or Windows 98 SE
- Full-size keyboard
- Common docking solutions across the Armada™ E and M Series
- Industry-leading PC lifecycle solutions
- 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 3-spindle design with integrated MultiBay and DualBay
- 5.65 lb light
- 1.6 in thin
- Support for up to three batteries internally
- Common docking solutions across the Armada E and M Series
- Industry-leading PC lifecycle solutions



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|--|--|
| 1. Color display | 14. MultiBay (CD-ROM Drive/DVD-ROM Drive/CD-RW Drive secondary hard drive/ MultiBay Battery) |
| 2. Microphone | 15. Primary Hard Drive (under the Unit) |
| 3. Lid Switch | 16. Dual Bay (Diskette Drive or second Primary Battery) |
| 4. TV/Video out (NTSC/PAL) | 17. Touch Pad |
| 5. Infrared Transceiver | 18. Stereo Speakers |
| 6. Integrated RJ-11, 56K v.90 mini PCI modem | 19. Primary Battery |
| 7. RJ-45 Ethernet Port on select models | 20. Easy Access Internet Buttons |
| 8. Cable Lock Connector | 21. Power Switch |
| 9. Microphone-in/Headphone-out ports | 22. Status LEDs |
| 10. PC Card Slots (2) | 23. Suspend Button |
| 11. Battery Power Light | 24. Display Latch |
| 12. AC Power Light/Standby | |
| 13. Volume control/mute | |

Standard Features

Processor and Panel <i>One of the following:</i>	15-inch color TFT SXGA+ with 1400 x 1050 resolution (up to 16.8M colors internal) 1.0 GHz on Intel Mobile Pentium III processor 850 MHz on Intel Mobile Pentium III processor 14.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal) 900 MHz on Intel Mobile Pentium III processor 800 MHz on Intel Mobile Pentium III processor 700 MHz on Intel Mobile Pentium III processor 700 MHz on Intel Mobile Celeron® processor NOTE: Mobile Pentium III processors feature Intel SpeedStep technology. NOTE: Mobile Pentium III processors feature 256-KB integrated cache and Mobile Celeron Processors feature 128-KB integrated cache.
Memory	Standard 128-MB or 64-MB - 100 MHz SDRAM (128 MB or 64 MB slot 1, second slot open) Maximum 512-MB - 100-MHz SDRAM NOTE: 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.
Integrated Communications	User Upgradable – Type II Mini PCI Compaq 56K (V.90) Modem or Compaq 56K (V.90) Modem plus 10/100 NIC NOTE: Select models of the Armada E500 ship standard with a Compaq Global Mini PCI 56K (V.90) Modem Type II Mini PCI or with a Compaq 56K (V.90) plus 10/100 NIC Type II Mini PCI. NOTE: 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. NOTE: Modem availability is subject to country regulatory approval.
Keyboard	102-key compatible keyboard with isolated, inverted-T cursor control keys, and right-control key, special feature hotkeys for instant access to power conservation, QuickLock/QuickBlank (ex: FN+F6), toggle between internal and external, or simultaneous displays, battery gauge, speaker volume control, brightness and contrast
Easy Access Internet Buttons	The Armada E500 comes with four Easy Access Internet Buttons allowing quick access to your most popular Internet sites, files and applications. The buttons come pre-set; however, they are user-customizable and designed to increase productivity by providing one-touch access.
Pointing Device	Touchpad with integrated pick buttons/"Double Tap" mouse-like buttons
PC Card Slots	Two Type II/One Type III PC Card Slot(s) which support both 32-bit Card Bus (Full support in Windows 9.x and Windows 2000) and 16-bit PC Cards; zoomed video support in bottom slot

Standard Features

Storage	Diskette Drives	1.44 MB
	Optical Drives - <i>One of the following:</i>	CD-RW Drive 8X DVD-ROM Drive 24X CD-ROM Drive
	Removable Drives	Zip 250 MG Drive IBM® 1 GB Micro Drive (PC Card Device)
	Hard Drives - <i>One of the following:</i>	30-GB SMART 20-GB SMART 12-GB SMART 10-GB SMART
Multimedia	Compaq Premier•Sound™ 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 Software MPEG1 support, MPEG2 and DVD CD-RW Drive (<i>on select models</i>) 8X DVD-ROM Drive with DVD movie playback software (<i>on select models</i>) 24X CD-ROM Drive (<i>on select models</i>) RCA Composite TV-out port 2X AGP graphics 8-MB SDRAM	
Interfaces	PC Card	Two Type II/One Type III
	Enhanced Parallel EPP/ECP	1 (can be used to connect external diskette drive)
	Serial Port	1
	TV out connector NTSL/PAL	1
	External Monitor	1
	External Keyboard/ Pointing Device	1 Supports Y-cable in order to attach both Keyboard and Mouse simultaneously
	Expansion Base	1
	Headphone/Line-out	1
	Microphone in	1
	DC Power	1
	RJ-11 (modem)	1 (Model dependent)
	RJ-45 (NIC)	1 (Model dependent)
	Infrared Port	1 (4 Mb/s support) (IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and application used.)
	USB	1
	LED status indicators	7
Graphics	ATI Mobility PRO, 64-bit video graphics with 8-MB SDRAM for increased color depth and graphics performance	
Operating System	Windows 2000/Windows NT 4.0 (Dual Install)	
	NOTE: On Dual Install systems, the end user must make a one-time selection at initial start up. End users who need to change to another Operating System (OS) other than the one originally selected must obtain a new license for that OS.	
	Microsoft Windows 98 SE	

Standard Features

Software	<p>Compaq <i>Insight Management</i>™ Agents Compaq Intelligent Manageability Diagnostics for Windows 2000, 9.x or NT DVD Solution Compaq Power Management Compaq Security Management Online Safety and Comfort Guide Fax Central for Windows 2000, 98 and NT Acrobat Reader Reference Guide</p>
System Recovery	<p>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).</p>
Intelligent Manageability	<p>Compaq Intelligent Manageability, a key component of PC Lifecycle Solutions, is the broad set of manageability features found on all Compaq <i>Deskpro</i>™ desktops, Armada portables, Professional Workstation, and <i>ProLiant</i>™ server products. These best-in-class features on PC clients comply with industry standards, such as DMI and Wired for Management, while pioneering new ground in client manageability. Compaq introduced the industry's first line of manageable clients in 1995 and has been driving the industry ever since. With Compaq's lifecycle management philosophy, enterprises have all of the pieces for end-to-end management and proven tools for hassle-free management of PCs and significantly lower total cost of ownership.</p> <p>Intelligent Manageability offers solutions in the areas of Initial Configuration and Deployment, Asset Tracking and Security, Software Updating and Management, and Fault Notification and Recovery. For more information, visit our website: http://www.compaq.com/im.</p>
Security	<p>Configuration Control Hardware Memory Change Alert Ownership Tag Setup Password Power-On Password DriveLock QuickLock QuickBlank Enabled for PC SmartCard options</p>
Power Supply	<p>External AC adapter; 6-foot power cord included. Total length including External AC adapter is 12 feet (3.66 Meters)</p>
Battery	<p>The Armada E500 provides over 3 hours of battery life using the standard 9-cell battery. Battery Life using an additional 9-cell battery in the DualBay is over 7 hours. Maximum battery life over 9.5 hours can be achieved using a 9-cell in the Primary Battery Bay and DualBay along with a 6-cell in the MultiBay.</p> <p>NOTE: For Pentium III 900MHz and 1GHz units, Compaq provides a battery-optimized mode only while running on battery power.</p> <p>NOTE: Actual results may vary with product model, configuration, and individual usage. When tested in standard configuration, using eTesting Labs Inc.'s BatteryMark™ Test version 4.0.1, the battery life of the Armada E500 will range up to 3.35 hours. Standard configuration at time of announce includes an Intel Pentium 1GHz processor, 15-inch SXGA+ panel (1050 x 1400 resolution), 128-MB RAM, 30-GB HDD, CD-RW, 9-cell (1700mAh) battery, and combination NIC/modem. System parameters were set according to eTesting Labs Inc. recommendations: panel brightness 50%, hard drive, standby and video idle time 3 minutes, and Intel SpeedStep battery optimized mode. The same configuration achieved up to 7.3 hours with addition of a 9-cell battery and up to 9.93 hours with further addition of a third battery (6-cell) in the MultiBay.</p> <p>NOTE: This test was performed without independent verification by eTesting Labs Inc. eTesting Labs Inc. makes no representations or warranties as to the result of the test. BatteryMark is a trademark of Ziff Davis Publishing Holdings Inc., and affiliate of eTesting Labs Inc., in the U.S. and other countries.</p>

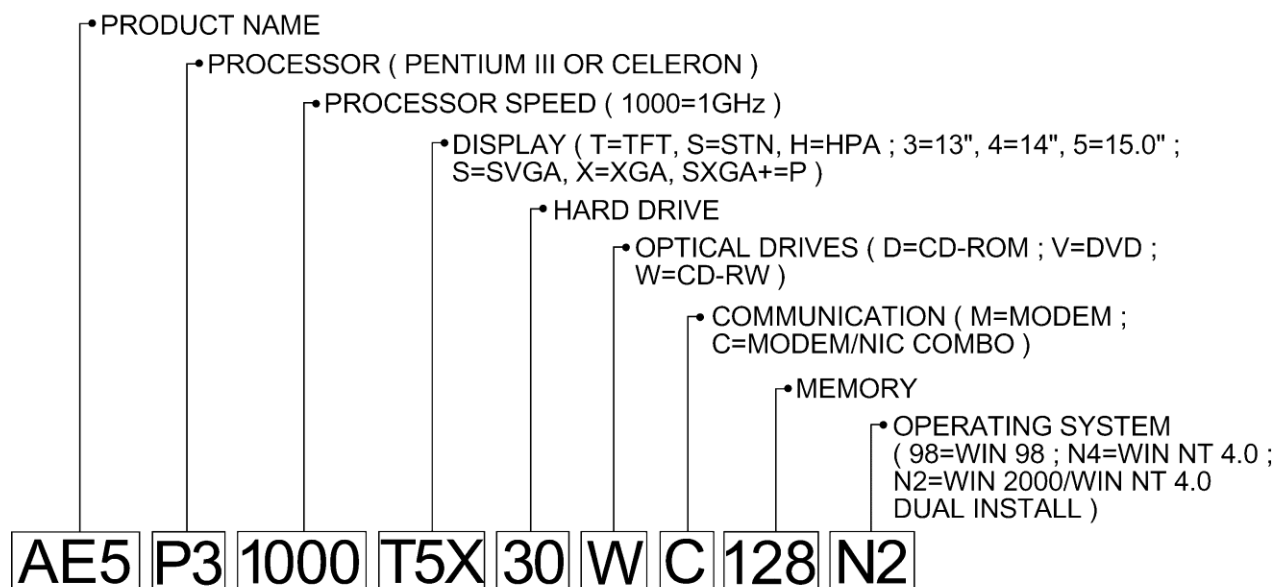
Standard Features

Power Conservation	Intel SpeedStep technology allows a Battery Optimized Mode where CPU draws 50 percent of normal power yet affords 70 to 80 percent of maximum PIII processing speed. Hibernation Instant-On via Standby Pop-ups with three presets One custom level of power conservation ACPI compliant NOTE: For Pentium III 900MHz and 1GHz units, Compaq provides battery optimized mode only while running on battery power.
MultiBay Devices	MultiBay devices may be swapped with the system powered on (hot) or in suspend mode (warm) under Windows 98 SE or Windows 2000 (except MultiBay Zip drive or MultiBay secondary hard drive). MultiBay devices can be swapped with system power off under any supported operating system.
DualBay Devices	Supports swapping with power or in suspend mode under Microsoft Windows 9.x, Windows 2000 and NT4.0 Supports swapping with power or in suspend mode Diskette drive, Primary battery
Service and Support	Compaq Services includes a one-year, worldwide limited warranty, pick-up or carry-in, upgrade to on-site warranty or additional four-year warranty available and toll-free 7 x 24 hardware technical phone support. NOTE: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

Standard Features

Naming Convention

The Etymology of a Model name:



Standard Features

MODELS

AE5P31000T5P30WC128N2 470011-622	Display	15.0-inch color TFT SXGA+
	Processor	Intel Pentium 1.0 GHz
	Cache Memory	256-KB integrated
	Memory	Standard 128 MB SDRAM
		Maximum 512 MB SDRAM
	Pointing Device	Touch-pad
	Optical Drive	CD-RW Drive IDE
	Hard Drive	30-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 2000 /NT 4.0 (Dual Install)
	Battery	9-cell Li-Ion
AE5P31000T5P30WC12898 470011-577	Display	15.0-inch color TFT SXGA+
	Processor	Intel Pentium 1.0 GHz
	Cache Memory	256-KB integrated
	Memory	Standard 128 MB SDRAM
		Maximum 512 MB SDRAM
	Pointing Device	Touch-pad
	Optical Drive	CD-RW Drive IDE
	Hard Drive	30-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 98SE
	Battery	9-cell Li-Ion
AE5P3900T4X20DC128N2 470011-680	Display	14.1-inch color TFT XGA
	Processor	Intel Pentium 900 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 128 MB SDRAM
		Maximum 512 MB SDRAM
	Pointing Device	Touch-pad
	Optical Drive	CD-ROM Drive IDE
	Hard Drive	20-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 2000 /NT 4.0 (Dual Install)
	Battery	9-cell Li-Ion

Standard Features

MODELS (continued)

AE5P3900T4X20DC12898 470011-648	Display	14.1-inch color TFT XGA
	Processor	Intel Pentium 900 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 128 MB SDRAM
		Maximum 512 MB SDRAM
	Pointing Device	Touch-pad
	Optical Drive	CD-ROM Drive IDE
	Hard Drive	20-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 98SE
	Battery	9-cell Li-Ion
AE5P3850T5P20VC128N2 179858-008	Display	15-inch color TFT SXGA+
	Processor	Intel Pentium III 850 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 128 MB
		Maximum 512 MB
	Pointing Device	Touch-pad
	Optical Drive	8X DVD-ROM Drive IDE
	Hard Drive	20-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 2000/ NT4.0 (Dual Install)
	Battery	9-cell Li-Ion
AE5P3850T5XP20VC12898 179858-001	Display	15-inch color TFT SXGA+
	Processor	Intel Pentium III 850 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 128 MB
		Maximum 512 MB
	Pointing Device	Touch-pad
	Optical Drive	8X DVD-ROM Drive IDE
	Hard Drive	20-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 98SE
	Battery	9-cell Li-Ion

Standard Features

MODELS (continued)

AE5P3800T4X20VC6498 179855-008	Display	14.1-inch color TFT XGA
	Processor	Intel Pentium III 800 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 64 MB
		Maximum 512 MB
	Pointing Device	Touch-pad
	Optical Drive	24X CD-ROM Drive IDE
	Hard Drive	10-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 2000/ NT4.0 (Dual Install)
	Battery	9-cell Li-Ion
AE5P3800T4X10DC6498 179855-001	Display	14.1-inch color TFT XGA
	Processor	Intel Pentium III 800 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 64 MB
		Maximum 512 MB
	Pointing Device	Touch-pad
	Optical Drive	24X CD-ROM Drive IDE
	Hard Drive	10-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 98SE
	Battery	9-cell Li-Ion
AE5P3700T4X12DC64N2 179849-008	Display	14.1-inch color TFT XGA
	Processor	Intel Pentium III 700 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 64 MB
		Maximum 512 MB
	Pointing Device	Touch-pad
	Optical Drive	24X CD-ROM Drive IDE
	Hard Drive	12-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 2000/Windows NT4.0 (Dual Install)
	Battery	9-cell Li-Ion

Standard Features

MODELS (continued)

AE5P3700T4X12DC6498 179849-001	Display	14.1-inch color TFT XGA
	Processor	Intel Pentium III 700 MHz
	Cache Memory	256-KB integrated
	Memory	Standard 64 MB
		Maximum 512 MB
	Pointing Device	Touch-pad
	Optical Drive	24X CD-ROM Drive IDE
	Hard Drive	12-GB SMART
	Modem	Mini-PCI V.90 modem / 10/100 TX NIC Combo
	Graphics	64-bit video graphics with 8-MB SDRAM
	Audio	Compaq <i>Premier•Sound</i>
	Software	Microsoft Windows 98SE
	Battery	9-cell Li-Ion

Options

Memory	256-MB Memory Upgrade	161554-B21
	128-MB Memory Upgrade	400313-B21
	64-MB Memory Upgrade	400312-B21
	NOTE: 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.	
Monitors	TFT8020 Flat Panel Color 18-inch (Carbon)	159244001
	TFT5010 Flat Panel Color 15-inch (Carbon)	154486-001
	TFT5005 Flat Panel Color 15-inch (Carbon)	201430-001
	S710 17-inch CRT (Carbon)	154499-002
	S510 15-inch CRT (Carbon)	168636-002
MultiBay Hard Drives	30-GB SMART Hard Drive	212791-B25
	20-GB SMART Hard Drive	212790-B25
	10-GB SMART Hard Drive	212789-B25
MultiBay Storage Devices	Zip 250 Drive	217387-B25
	CD-RW Drive	136186-B25
	8X DVD-ROM Drive	138230-B25
	24X CD-ROM Drive	298452-B25
	2X SuperDisk LS-120	197895-B25
	IBM 1 GB Microdrive (PC Card Device)	217390-B25
Connectivity	1394 PC Card	177593-B25
	Compaq 56K (V.90) Modem plus 10/100 NIC Type II Mini PCI Card	149373-001
	For additional compatible PC Cards, view the Compaq PC Card Solutions List on the Compaq Web site at: http://www.compaq.com/support/techpubs/pcmcl/ .	
	NOTE: 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.	
Wireless Connectivity	NOTE: Modem availability is subject to country regulatory approval	
	Compaq WL100 11 Mb/s Wireless LAN PC Card	146927-001
	Compaq WL400 11 Mb/s Wireless LAN Hardware Access Point	158603-001
	Compaq WL 300 Software Access Point 11Mb/s	157209-B21
Wireless Connectivity	NOTE: For more information on Compaq WLAN Wireless LAN solutions visit: http://www.compaq.com/products/wlan/wl100-specifications.html .	

Options

Expansion Bases	ArmadaStation EM	383500-001
	ArmadaStation EM with NIC	120266-001
	ArmadaStation Tower Stand	123129-B25
	Convenience Base EM	382500-001
	Convenience Base EM with NIC	120971-001
	Convenience Base Monitor Cover	122931-B25
	Port Replicator EM	382300-001
	PCI IBM Token Ring Card	133749-B21
	PCI Cardbus Reader	127397-B25
NOTE: ArmadaStation Tower Stand is not supported on 15-inch Panel models.		
Power	Primary Battery (9-cell)	146252-B25
	NOTE: For Armada E500, primary battery can also be used as a second battery in the E500 DualBay.	
	Common Armada Power Solutions – Armada E500, Armada M300 and Armada M700	
	MultiBay Battery (6-cell)	387937-B25
	External Battery Charger	135555-001
	AC Adapter 65W	265602-001
	Auto Power Adapter/ Charger	401043-B25
	Aircraft Power Adapter	386504-B21
	AC Line Cord (10-ft)	217932-002
Input Devices	External Enhanced III Keyboard (Carbon)	118003-008
	Compaq 2 Button Mouse (Carbon)	103180-B21
	USB 2 Button Mouse (Carbon)	195255-B25
	External 10-Key Numeric Keypad (carbon)	294317-B21
Security	Biometrics PC Card	146805-B25
	Security Cable Lock	294316-B21
	Compaq Smart Card PC Card Reader	135646-B25
Invaluable Accessories	Compaq Armada Headset with microphone	220460-001
	MP1400 Microportable Projector	174626-001
	MP1800 Microportable Projector	180226-001
	MP2800 Microportable Projector	180228-001
	Multimedia Adapter & Remote Kit (<i>comes with the MP1800, optional for the MP1400</i>)	174963-001
	MP1600 Video Adapter	116298-001
	MP1600 Lamp replacement kit	118052-001
	MP1800/1400 Lamp replacement kit	189789-001
	MP2800 Lamp replacement kit	215464-001

Options

Carrying Cases	Compaq Value Case	294266-B21
	Compaq Workstation Case	294267-B21
	Compaq Global Case	294268-B21
	Compaq Professional Case (nylon)	401366-B21
	Compaq Professional Case (leather)	401367-B21
	<i>Armada M300 and Armada M700 specific</i>	
	Compaq M Series Portfolio Case	167337-B21
	Compaq Ultralight Case	167336-B21

NOTE: For additional information visit <http://www.compaq.com/products/notebooks/>

Memory

Compaq Armada E500

STANDARD MEMORY

64-MB or 128 MB 100-MHz SDRAM installed in 1 slot

Memory		Slot 1	Slot 2
Standard	64 MB	64 MB	Empty
	128 MB	128 MB	Empty

OPTIONAL MEMORY

Support for up to 512-MB of SDRAM memory is available with the removal of the standard 64-MB or 128-MB SDRAM memory Upgrade and the installation of optional SDRAM Memory Kits.

Memory		Slot 1	Slot 2
Up To	160 MB	128 MB	32 MB
	192 MB	128 MB	64 MB
	256 MB	128 MB	128 MB
	512 MB	256 MB	256 MB

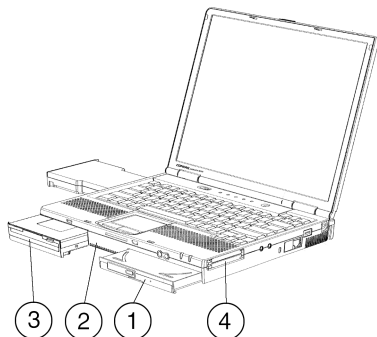
NOTE: This chart does not represent all possible memory configurations.

Following are memory options available from Compaq:

- 256-MB (100-MHz) Memory Upgrade 161554-B21
- 128-MB (100-MHz) Memory Upgrade 400313-B21
- 64-MB (100-MHz) Memory Upgrade 400312-B21

NOTE: 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.

Storage



1. MultiBay
2. Primary Hard Drive
3. Dual Bay
4. PC Card Slot

DRIVE SUPPORT

System Drive Support	Quantity Supported	Drive Bay Supported
Removable Media		
1.44-MB Diskette Drive	1	DualBay
CD-RW Drive	1	MultiBay
8X DVD-ROM Drive	1	MultiBay
24X CD-ROM Drive	1	MultiBay
2X SuperDisk LS-120	1	MultiBay
Zip 250 Drive	1	MultiBay
IBM 1GB Microdrive (PC Card Device)	2	PC Card Slot
Hard Drives		
30-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
20-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
12-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
10-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay

Technical Specifications

System Unit	Dimensions (H x W x D)	15-inch TFT panel display models	12.5 x 10.1 x 1.7 in/31.7 x 25.7 x 4.3 cm
		14.1-inch TFT and lower panel display models	12.4 x 9.99 x 1.6 in/31.5 x 25.3 x 4.1 cm
Weight		15-inch TFT panel display and modem models	6 to 7.2 lb/2.73 to 3.27kg
		14.1-inch TFT panel display and modem models	5.9 to 7.0 lb/2.68 to 3.18 kg.
		13.3-inch TFT panel display and modem models	5.7 to 6.8 lb/2.59 to 3.08 kg.
		12.1-inch TFT panel display and modem models	5.65 to 6.75 lb/2.56 to 3.06 kg.
Stand-Alone Power Requirements		Nominal Operating Voltage (Li-Ion)	10.8 V
		Average Operating Power	15W average
		Peak Operating Power	30W peak
Power Supply		Rated Input Voltage	90 to 264 VAC (auto-switching)
		Rated Input Current	< 60W
		Rated 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% relative humidity, non-condensing
		Non-operating	5% to 95% relative humidity, 101.6°F/38.7°C Maximum wetbulb temperature
Shock		Operating	10 G, 11 ms, half-sine
		Non-operating	60 G, 11 ms, half-sine
Vibration		Operating	0.5 G zero-to-peak, 10 to 500 Hz, 0.25 oct/min sweep rate
		Non-operating	1 G, zero-to-peak, 10 to 500 Hz, 0.5 oct/min sweep rate
Maximum Altitude (unpressurized)		Operating	0 to 10,000 ft/0 to 3,048 m
		Non-operating	0 to 30,000 ft/0 to 9,144 m

Technical Specifications

15-Inch Color TFT SXGA+ Display	Viewable Dimensions (H x W)	11.97 x 8.98 in/304.1 x 228.1 mm	
	Diagonal Size	15.0 in/380.1 mm	
	Number of Colors	Up to 16.8M	
	Contrast Ratio	150:1	
	Brightness	100 nit min, 120 nit typ	
	Pixel Resolution		
	Pixel Resolution	Pitch	0.2175 x 0.2175 mm
		Format	1400 x 1050
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Total Power Consumption	5.25W	
14.1-Inch Color TFT XGA Display	Viewable Dimensions (H x W)	11.22 x 8.46 in/28.5 x 21.5 cm	
	Diagonal Size	14.1 in/35.81 cm	
	Number of Colors	Up to 16.8M	
	Contrast Ratio	150:1	
	Brightness	120nt min, 150nt typ	
	Pixel Resolution	Pitch	0.264 x 0.264 mm
		Format	1024 x 768
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Total Power Consumption	4.2W	
13.3-Inch Color TFT XGA Display	Viewable Dimensions (H x W)	7.9 x 10.6 in/20.1 x 26.9 cm	
	Diagonal Size	13.3 in/33.8 cm	
	Number of Colors	Up to 16.8M	
	Contrast Ratio	Minimum 100:1	
	Brightness	120nt min, 150nt typ	
	Pixel Resolution	Pitch	0.264 x 0.264 mm
		Format	1024 x 768
		Configuration	RGB stripe
	Backlight	Edge Lit	
	Total Power Consumption	4.1W	

Technical Specifications

12.1-Inch Color TFT SVGA Display	Dimensions (H x W)	9.7 x 7.24 in/24.6 x 18.4 cm	
	Diagonal Size	12.1 in/30.7 cm	
	Mounting	Internal Panel Support	
	Number of Colors	Up to 16.8M	
	Contrast Ratio	150:1	
	Brightness	120nt min, 150nt typ	
	Pixel Resolution	Pitch	0.30 x 0.30 mm
		Format	800 x 600
		Configuration	RGB Stripe
	Backlight	Edge Lit	
	Total Power Consumption	3.5W	

Hard Drives

30GB

Capacity	30 GB	
Height	0.5 in/12.7 mm	
Width	2.75 inch/69.85 mm	
Interface	ATA-4	
Transfer Rate	Synchronous (Maximum DMA)	33.3 MB/s (Mode 2)
	(MaximumUDMA)	66.6 MB/s (Mode 4)
Seek Time (typical reads, including settling)	Single Track	2.5 ms
	Average	12 ms
	Maximum	23 ms
Rotational Speed	4200 rpm	
Logical Blocks	~58,605,120	
Operating Temperature	41° to 131°F/5° to 55°C	

NOTE: Compatible with the Armada E500 primary HDD bay and all platforms and docking stations using the 12.7mm MultiBay.

20GB	Capacity	20 GB	
	Height	0.374 in/9.5mm	
	Width	2.75 in/70 mm	
	Interface	ATA	
	Transfer Rate	Synchronous (Maximum)	66.6 MB/s(Drive Capability)
	Security	ATA Security	
	Seek Time (typical reads, including settling)	Single Track	3 ms
		Average	12 ms
		Maximum	23 ms
	Rotational Speed	4200 rpm	
	Logical Blocks	~ 39,070,080	
	Operating Temperature	41° to 131°F/5° to 55°C	

Technical Specifications

Hard Drives *(continued)*

12GB	Capacity	12 GB	
	Height	0.374 in/9.5 mm	
	Width	2.75 in/70 mm	
	Interface	ATA	
	Transfer Rate	Synchronous (Maximum)	66.6 MB/s (Drive Capability)
	Security	ATA Security	
	Seek Time (typical reads, including settling)	Single Track	3 ms
		Average	12 ms
		Maximum	23 ms
	Rotational Speed	4200 rpm	
	Logical Blocks	~23,579,136	
	Operating Temperature	41° to 131°F/5° to 55°C	
10GB	Capacity	10 GB	
	Height	0.374 in/9.5 mm	
	Width	2.75 in/70 mm	
	Interface	ATA	
	Transfer Rate	Synchronous (Maximum)	66.6 MB/s (Drive Capability)
	Security	ATA Security	
	Seek Time (typical reads, including settling)	Single Track	3 ms
		Average	12 ms
		Maximum	23 ms
	Rotational Speed	4200 rpm	
	Logical Blocks	~19,792,896	
	Operating Temperature	41° to 131°F/5° to 55°C	

Technical Specifications

Diskette Drive	Diskette Size	3.5 in	
	Activity Indicator	On system	
	Height	0.5in/12.7 mm	
	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	Dimensions (H x W x D)	1.10 x 3.70 x 157 in / 2.8 x 9.4 x 4.0 cm	
	Weight	.43lb/ 0.2 kg	
	Power Supply (Input)	Operating Voltage	90 to 264 VAC RMS
		Operating Current	1.3 A RMS
		Operating Frequency Range	47 to 63 Hz AC
		Maximum Transient	15 kV
Li-Ion Battery Pack (9-cell)	Dimensions (H x W x D)	0.84 x 3.8 x 5.6 in/2.1 x 9.5 x 14.2 cm	
	Weight	1 lb/0.455 kg	
	Energy	Voltage	10.8 V
		Amp-hour capacity	4.8 Ah
		Watt-hour capacity	52 Wh
	Temperature	Operating	50° to 95°F/10° to 35°C
		Non-operating	-12° to 140°F/-25° to 60°C
Li-Ion Battery Pack (6-cell)	Dimensions (H x W x D)	0.84 x 3.8 x 5.6 in/2.1 x 9.5 x 14.2 cm	
	Weight	0.7 lb/0.303 kg	
	Energy	Voltage	10.8 V
		Amp-hour capacity	3.2 Ah
		Watt-hour capacity	34 Wh
	Temperature	Operating	50° to 95°F/10° to 35°C
		Non-operating	-12° to 140°F/-25° to 60°C

Technical Specifications

CD-RW Drive	Center Hole Diameter	0.59 in/0.39 cm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	0.047 in/1.2 mm	
	Track Pitch	0.74 μ m	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 225 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB/s (minimum)	
	Data Transfer Rate (typical, including settling)	Sustained (16X)	150 KB/s
		Sustained 4X CD-RW	5,520 KB/s
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	Stop Time	< 6 seconds	
8X DVD-ROM Drive	Center Hole Diameter	0.59 in/0.39 cm	
	Disc Diameter	12 cm/8 cm	
	Disc Thickness	1.2 mm	
	Track Pitch	0.74 μ m	
	Access Times (typical reads, including settling)	Random (typical)	< 180 ms DVD Media
		Full-Stroke (typical)	< 300 ms DVD Media
		Random (typical)	< 120 ms CD Media
		Full-Stroke (typical)	< 200 ms CD Media
	Cache Buffer	128 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	< 15 seconds	
	Stop Time	< 6 seconds	

Technical Specifications

24X CD-ROM Drive	Applicable Disk	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	
	Center Hole Diameter	0.59 in/15 mm	
	Disk Diameter	12 cm, 8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	1.6 μm	
	Access Times (typical reads, including settling)	Random	< 150 ms
		Full-Stroke	< 300 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB	
	Data Transfer Rate (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
	Start-up Time	< 8 seconds	
	Stop Time	< 4 seconds	
Compaq 56K(V.90) plus Intel PRO/100+ Mini PCI	Form Factor	Mini-PCI Type 1B per Specification	
	OS Support (with all released Service Packs)	Microsoft Windows 95 (OSR2.x), Windows 98 (Gold, SE) Windows NT4.0, Windows 2000, DOS Application Support under Windows	
	Power Management Support	APM Revision 1.2, ACPI, Compaq Power Management Extensions for Windows NT	
	Approvals/Certifications	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries	
	Modem Device Driver Name	Compaq 56K (V.90) Mini PCI	
	Data Mode Capabilities	V.90 (a-law, mu-law) K56flex (a-law, mu-law) V.8bis V.80 V42.bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) V.34 (file date: 10/96) Optional symbol rates: 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates: 3600, 31200 Automatic rate re-negotiation V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J	

Technical Specifications

Compaq 56K (V.90) plus Intel PRO/100+ Mini PCI <i>(continued)</i>	Fax Mode Capabilities	TIA-578-S (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter V.21 Channel 2
	Command Set	V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, +lirr Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM Data compression: +DS, +DR V.251
	Ethernet Features	10 Mbps Ethernet: IEEE 802.3 standard 10Base T 100 Mbps Ethernet: IEEE 802.3u standard 100Base TX Full Duplex at 10 and 100Mbps Auto-Negotiation Wake on LAN from all power managed states, including soft off (S5) Boot on LAN from OFF Lower Power State on Link Loss
	Data Link Layers	IEEE 802.2 LLC SNAP
	Software support	Artisoft Lantastic 7.0, 8.0, Dedicated Server 1.1 Banyan 7.x, 8.5x IBM LAN Server Version 1.2, 1.3, 2.0, 4.0 Microsoft NT 3.51, Windows 2000, NT 4.0 Novell® Netware® 3.1x, 4.x, 5.x
	Protocol support	TCP/IP Novell IPX/SPX and Microsoft compatible Novel IPX ODI Microsoft NetBEUI Sun Microsystems PC-NFS Banyan Vines Ethernet IBM DLC

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