

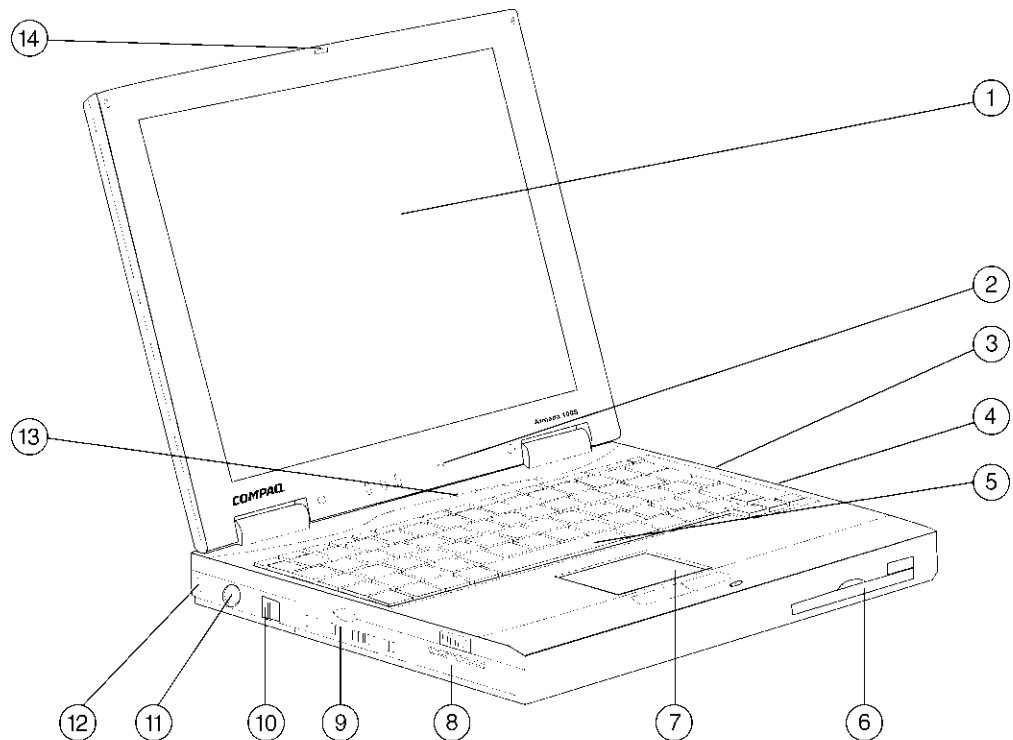
Overview

What's New

- AMD K6®-2+ 550MHz Processor
- AMD PowerNow!™ Technology
- 13.3" XGA Display

At A Glance

- AMD K6®-2+ 550MHz Processor
- Choice of either 12.1 in. High Performance Addressing (HPA) SVGA, 12.1 in. TFT SVGA, or 13.3 in. TFT XGA displays
- Full set of system ports
- Microsoft Windows 98 SE
- Integrated 56K modem available
- Upgradable to 160/192 MB memory (depending upon standard configuration)
- Full size keyboard user
- One Type I, Type II or Type III CardBus PC Card slot
- Between 6.7 and 6.8 lbs. or 3.0 to 3.1 kg
- USB port expansion options available
- Lightweight/Extended Capacity Lithium Ion battery available.
- Protected by a one-year Warranty — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.



- | | |
|----------------------------------------------------------------|------------------------------------------|
| 1. 12.1-inch HPA, 12.1-inch TFT or 13.3-inch TFT Color Display | 8. PC Card slot |
| 2. CD-Rom | 9. Integrated RJ-11 Jack, 56K v.90 modem |
| 3. Infrared Transceiver | 10. Power Switch |
| 4. Keyboard | 11. Cable lockslot |
| 5. 1.44-MB Disk Drive | 12. Microphone |
| 6. TouchPad | 13. LED indicator Lights |
| 7. Battery Bay | 14. Display Latch |

Standard Features

Processor	Mobile AMD K6 [®] -2+ 550MHz Global Processor <ul style="list-style-type: none"> • Leading-edge Super7™ platform features, including 100-MHz front side bus • 3DNow!™ technology with new DSP Instructions • AMD PowerNow!™ Technology • 2X AGP Graphics • High speed 128K on-chip L2 cache • Compatible with Windows 2000 and Windows 98 	
Cache Memory	192-KB total internal cache <ul style="list-style-type: none"> • Internal split, two-way set associative, 64-KB L1 Cache <ul style="list-style-type: none"> • 32-KB instruction cache with additional 20 KB of predecode cache • 32-KB writeback dual-ported data cache • MESI protocol support • Internal full-speed, four-way set associative, 128-KB, L2 Cache 	
Memory <i>One of the following required</i>	Standard	64 MB (12.1" & 13.3" TFT) (8 MB allocated to frame buffer)
	Maximum	192 MB
Communications	56K v.90 modem 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.	
PC Card Slots	One Type I, II or III PC Card Slot which supports both 32-bit CardBus (Full support in Windows 98) and 16-bit PC Cards	
Storage	Diskette Drives	1.44 MB
	Hard Drives	5 GB
Multimedia	Integrated 16-bit Sound Blaster Pro-compatible stereo audio Integrated speakers and microphone Software and hardware volume controls Headphone-out Jack Microphone-in Jack Hardware assisted MPEG2 support	
Interfaces	PC Card Slot	One Type I, II or Type III
	Enhanced Parallel Port	1
	PS/2	1
	Serial Port	1
	External Monitor Port	1
	Speaker Out (Headphone) Jack	1
	Microphone In Jack	1
	AC Power Connector	1
	RJ-11 Jack	1 (with modem only)
	Infrared Port	1 ("Fast IR" compliant, IR performance will vary depending on performance of IR peripherals and application used)
	USB Port	1
Graphics	Trident CyberBlade 7 with AGP 2X support	

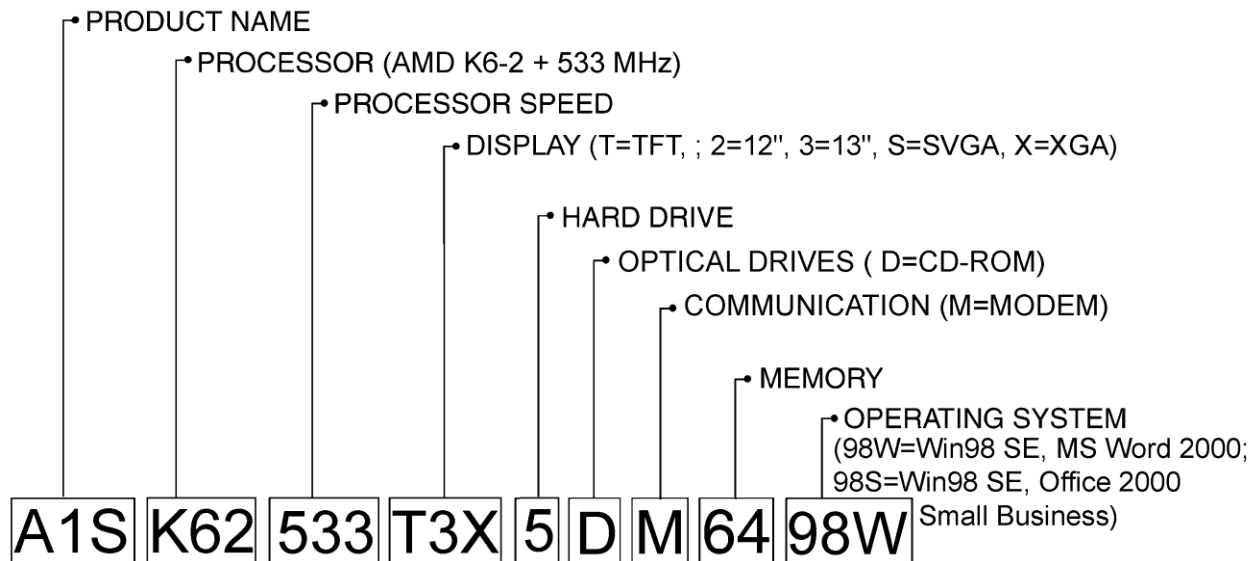
Standard Features

Display (Internal) <i>One of the following</i>	12.1-inch color HPA with 800 x 600 SVGA resolution 12.1-inch color TFT with 800 x 600 SVGA resolution 13.3-inch color TFT with 1024 x 768 XGA resolution
Display (External)	16 Million colors supported 640x480, 800x600, 1024x768 or 1280x1024 up to 60,75,85 Hz refresh rate
Operating System	Microsoft Windows 98 Second Edition
Software	Online Safety and Comfort Guide Online Reference Guide Norton Anti Virus * Microsoft Word 2000 * Microsoft Office Small Business * Available on select models
Security	Cable lock support Power-on password Setup passwords Ability to disable serial port, parallel port, diskette drive, diskette drive boot capability
Power Supply	External AC Adapter; 6-foot power cord included
Battery	A 9-cell NiMH battery ships standard and provides over two hours of battery life using ZD BattMark 3.0. An optional 8-cell Li-ION battery is also available. Note: Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 3.0, the battery life of the Armada 100S will exceed 2.0 hours using "max performance" mode in PowerNow!. Standard configuration at time of announce is considered to be one battery, a 800x600 (High color – 16-bit color) panel set at 50percent brightness, 32 MB or 64 MB RAM, and no drives other than the hard drive active.
Power Conservation	Hibernation Instant-On via Standby Five power consumption levels available through AMD PowerNow!™ Technology Pop-ups with three presets One custom level of power conservation
PowerNow! Technology	◆AMD PowerNow! technology is a combination of software and hardware support that allows the processor to run at different frequencies and voltages.
Service and Support	Compaq Services includes a one-year limited warranty, whole-unit replacement via second-business-day, pick-up and delivery. (Eligibility depends on geographic location.) Optional services include a one-year warranty extension CarePaq (FM-AMMAI-36 or 400514-002). Note: Certain restrictions and exclusions apply. See the Limited Warranty Statement for details.

Standard Features

Naming Convention

The Etymology of a Model name:



Standard Features

Models

A1S/K62/550/T3X/5/D/M/64/98W 219677-004 GEM ONLY	Display	13.3-inch color TFT/XGA
	Processor	AMD K6-2+ 550 MHz
	Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache
	Memory	Standard 64 MB SDRAM Maximum 192 MB SDRAM
	Optical Drive	24XCD-ROM
	Hard Drive	5 GB
	Modem	56K, V.90
	Graphics	Trident CBI7 4-MB UMA RAM(Shared RAM)
	Audio	16-bit SoundBlaster Pro compatible
	Software	Windows 98 SE, MS Word 2000

A1S/K62/550/T3X/5/D/M/64/98S 219678-004	Display	13.3-inch color TFT/XGA
	Processor	AMD K6-2+ 550 MHz
	Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache
	Memory	Standard 64 MB SDRAM Maximum 192 MB SDRAM
	Optical Drive	24XCD-ROM
	Hard Drive	5 GB
	Modem	56K, V.90
	Graphics	Trident CBI7 4-MB UMA RAM(Shared RAM)
	Audio	16-bit SoundBlaster Pro compatible
	Software	Windows 98 SE, Office 2000 Small Business

A1S/K62/550/T2S/5/D/M/64/98W 219673-004	Display	12.1-inch color TFT SVGA
	Processor	AMD K6-2+ 550 MHz
	Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache
	Memory	Standard 64 MB SDRAM Maximum 192 MB SDRAM
	Optical Drive	24XCD-ROM
	Hard Drive	5 GB
	Modem	56K, V.90
	Graphics	Trident CBI7 4-MB UMA RAM(Shared RAM)
	Audio	16-bit SoundBlaster Pro compatible
	Software	Windows 98 SE, MS Word 2000

Standard Features

Models (continued)

A1S/K62/550/T2S/5/D/M/32/ 98W 219669-004	Display	12.1-inch color HPA SVGA
	Processor	AMD K6-2+ 550 MHz
	Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache
	Memory	Standard 64 MB SDRAM Maximum 192 MB SDRAM
	Optical Drive	24XCD-ROM
	Hard Drive	5 GB
	Modem	56K, V.90
	Graphics	Trident CBI7 4-MB UMA RAM(Shared RAM)
	Audio	16-bit SoundBlaster Pro compatible
	Software	Windows 98 SE, MS Word 2000

Options

Memory	32-MB Memory Upgrade	179863-B21
	64-MB Memory Upgrade	179864-B21
	128-MB Memory Upgrade	179865-B21
	*(Due to the non-industry standard nature of some third party memory modules, we strongly recommend using only Compaq branded memory modules)	
Monitors	<i>CRTs</i>	
	<i>Standard Series</i>	
	S710 Color CRT 17-inch (carbon)	154499-002
	S510 Color CRT 15-inch (carbon)	168636-002
Docking Solutions	Xircom PortStation USB Port Expansion Solution w/NIC	180947-001
PC Cards/Communications	Compaq Microcom 420 56K Global Modem (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.)	317900-001
	10/100 TX PC Card UTP Controller	335506-B21
	100BaseTX Ethernet Upgrade	225435-001
WLAN Options	Compaq WL100 11-Mb/s Wireless LAN PC Card (Industry-Standard Wireless Technology)	146927-001
	Compaq WL 400 11-Mb/s Wireless LAN Hardware Access Point	158603-001
Power	Li-Ion (8-cell) Optional	175103-B25
	AC Adapter (50W)	175101-001
	Auto Adapter	188200-B21
Input Devices	External Enhanced III Keyboard (carbon)	118003-008
	Compaq Mouse (carbon)	103180-00-B21
	Intellimouse	294306-B21
	10 Key Numeric Keypad	294317-B21
Useful Accessories	Security Cable Lock	294316-B21
	Armada Headset with Microphone	220460-001
	MP1800 Microportable Projector	180226-001
	MP1600 Microportable Projector	386202-001
	MP1400 Microportable Projector	174626-001
	Multimedia Adapter and Remote kit (comes with MP 1800)	174963-001
	MP1800/1400 Lamp Replacement kit	189798-001

Options

Carrying Cases	Compaq Value Case	294266-B21
	Compaq Workstation Case	294267-B21
	Compaq Global Case	294268-B21
	Compaq Executive Case	294269-B21
	Compaq Professional N Case	401366-B21
	Compaq Professional L Case	401367-B21

For additional Compaq Brand cases, call 1-800-888-5903.

Memory

Compaq Armada 100S

STANDARD MEMORY (AMD K6-2+ 550-MHz Models)

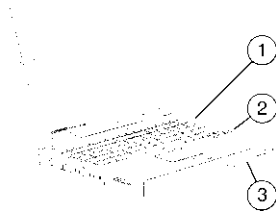
64 MB on-board (1 slot available)

Memory		Onboard	Slot 1
Standard	64 MB	64 MB	Empty
	96 MB	64 MB	32 MB
	128 MB	64 MB	64 MB
	192 MB	64 MB	128 MB

Following are memory options available from Compaq:

- 32-MB Memory Upgrade 179863-B21
- 64-MB Memory Upgrade 179864-B21
- 128-MB Memory Upgrade 179865-B21

Storage



1. CD-ROM
2. HDD
3. FDD

DRIVE SUPPORT

System Drive Support	Quantity Supported	Drive Bay Supported
Media		
24X CD-ROM	Up to 1	Fixed
1.44-MB Diskette Drive	Up to 1	Fixed
Hard Drives		
5-GB Hard Drive	Up to 1	Fixed

Technical Specifications

System Unit	Dimensions (HxWxD)	1.6 x 11.7 x 9.4 in/4.1 x 29.7 x 23.9 cm	
	Weight	AMD K6-2+ 550 MHz	6.6 lbs/3 kg to 6.8 lbs/3.1 kg
Stand-Alone Power Requirements	Nominal Operating Voltage (Li-Ion)	14.8 VDC	
	Nominal Operating Voltage (NiMH)	10.8 VDC	
	Maximum Operating Power	20W	
	Peak Operating Power	26W	
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 wet bulb 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, at 0.5 oct/min sweep rate	
	Non-operating	1.0 G, zero-to-peak, 10 to 500 Hz, at 0.5 oct/min sweep rate	
Maximum Altitude (unpressurized)	Operating	0 to 10,000 ft/0 to 3,048 m	
	Non-operating	0 to 40,000 ft/0 to 9,144 m	

Technical Specifications

12.1-Inch Color HPA SVGA Display	Dimensions (HxW)	8.17 x 10.83 in/20.25 x 27.5 cm		
	Diagonal Size	12.1 in/30.74 cm		
	Mounting	Internal		
	Number of Colors	65K		
	Contrast Ratio	40:1		
	Brightness	70+ nit		
	Pixel Resolution	Pitch	0.1021 x 0.306 mm	
		Format	800 x 600	
		Configuration	RGB Stripe	
	Backlight	Cold cathode fluorescent, 1 tube		
	Character Display	80 x 25		
	Total Power Consumption	2.75W		
	Refresh	60 Hz		

12.1-Inch Color TFT SVGA Display	Dimensions (HxW)	7.83 x 10.83 in/19.9 x 27.5 cm		
	Diagonal Size	12.1 in/30.74 cm		
	Mounting	Internal		
	Number of Colors	262K		
	Contrast Ratio	200:1		
	Brightness	115+ nit		
	Pixel Resolution	Pitch	0.3075 x 0.3075 mm	
		Format	800 x 600	
		Configuration	RGB Vertical Stripe	
	Backlight	Cold cathode fluorescent, 1 tube		
	Character Display	80 x 25		
	Total Power Consumption	4.5W		
	Refresh	60 Hz		

Technical Specifications

13.3-Inch Color TFT XGA Display	Dimensions (HxW)	7.83 x 10.83 in/19.9 x 27.5 cm		
	Diagonal Size	13.3 in/33.78 cm		
	Mounting	Internal		
	Number of Colors	262K		
	Contrast Ratio	200:1		
	Brightness	140+ nit		
	Pixel Resolution	Pitch	0.264 x 0.264 mm	
		Format	1024 x 768	
		Configuration	RGB Vertical Stripe	
	Backlight	Cold cathode fluorescent, 1 tube		
	Character Display	80 x 25		
	Total Power Consumption	5W		
	Refresh	60 Hz		

5 GB Hard Drive	Capacity	5 GB		
	Height	0.37 in/9.5 mm		
	Width	2.5 in/63.5 mm		
	Interface	ATA-5		
	Transfer Rate	Media	86.4-153.3 Mb/s	
		Interface	UDMA 33.3MB/s	
	Seek Time (typical reads, including settling)	Single Track	3 ms	
		Average	13 ms (read)	
		Full-Stroke	24 ms	
	Rotational Speed	4200 rpm		
Physical Configuration	Bytes/sector	512		
Operating Temperature	41° to 131°F/5° to 55°C			

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		

Technical Specifications

External AC Adapter	Weight	0.45 lb/0.21 kg		
	Power Supply (Input)	Operating Voltage	100 to 240 VAC RMS Nominal	
		Operating Current	1.5 A RMS	
		Operating Frequency Range	50 to 60 Hz AC Nominal	
		Maximum Transient	4/50 kV	
Li-Ion Battery Pack	Dimensions (HxWxD)	0.58 x 5.91 x 2.76 in/1.48 x 15.02 x 7.02 cm		
	Weight	0.93 lb/0.42 kg		
	Cells	8 Li-Ion		
	Energy	Voltage	14.8 V	
		Amp-hour capacity	3.2 Ah	
		Watt-hour capacity	47.36Wh	
	Temperature	Operating	50° to 104°F/10° to 40°C	
		Non-operating	-12° to 140°F/-30° to 60°C	
NiMH Battery Pack	Dimensions (HxWxD)	0.58 x 5.91 x 2.76 in/1.48 x 15.02 x 7.02 cm		
	Weight	1.25 lb/0.57 kg		
	Cells	9 NiMH		
	Energy	Voltage	10.8 V	
		Amp-hour capacity	3.8 Ah	
		Watt-hour capacity	41.04Wh	
	Temperature	Operating	50° to 104°F/10° to 40°C	
Non-operating		-12° to 140°F/-25° to 60°C		

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