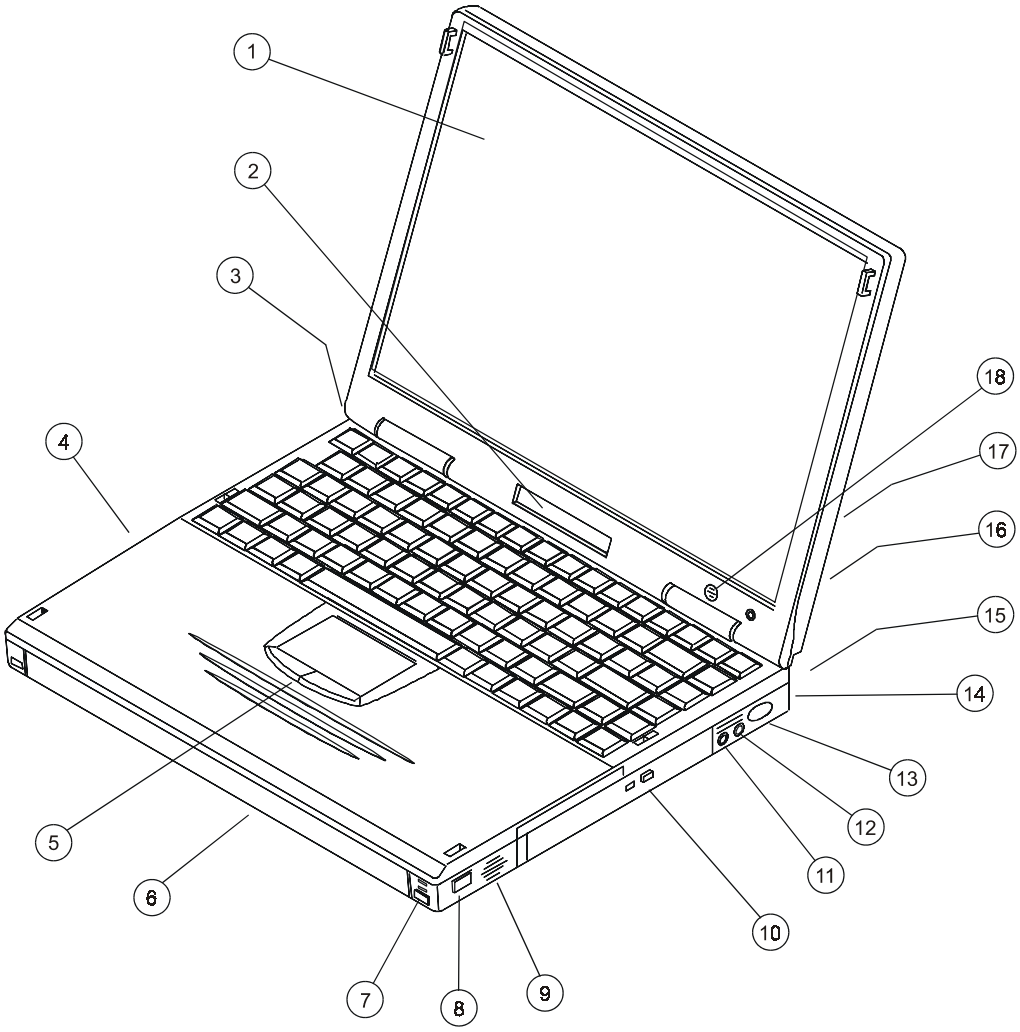
OVERVIEW

BENEFITS AT A GLANCE

- Intel Mobile Pentium® II processor 300 MHz 512-KB level 2 cache
- 64-MB SDRAM -Expandable to 320 MB[1]
- Large 14.1″ CTFT display (1024 x 768)
- Industry leading notebook AGP implementation with 133-MHz data transfer rate
- Integrated 56Kb/s modem, integrated 10/100 Ethernet
- Li-Ion battery provides over 3 hours of battery life[2]
- Up to a 19.2 GB[3] storage in notebook with 3rd 6.4 GB[3] Hard Drive in Optional Expansion Unit
- MultiBay design allows user customization with either a 12.7 mm 24X Max[4] CD-ROM Drive, Floppy Drive, DVD-ROM Drive, SuperDisk LS-120 Drive or 2nd Hard Drive
- 3 spindle support with optional Expansion Unit; support for all drives above, plus Iomega Zip Drive
- Operating System: –Choice of MS Windows 95 or MS Windows NT Workstation 4.0 (SP3)
- Compaq Services, including a three-year, Worldwide Limited Warranty[5] with 2nd business day[6] expedited pick-up and repair in North America

[1] When the 128-MB SDRAM Memory Kit becomes available in 4Q98.
[2] 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 6500 will range up to 3.2 hours. Standard configuration at the time of announce (9/9/98) is considered to be one battery, a 1024 x 768 x 65K panel set at 50% brightness, 64-MB RAM and no drives other than the hard drive active.
[3] For Hard Drives, GB = Billion Bytes.
[4] Data transfer rates vary from 150 Kb/s to 3600 Kb/s.
[5] Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.
[6] 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.



1. 14.1-inch 1024 x 768 TFT Display
2. Status Display
3. External Keyboard/Mouse Port
4. PC Card Slots
5. Touch Pad and Left/Right Mouse Buttons
6. 12-cell Li-Ion Battery
7. Power LED, Battery Charging LED
8. Lid Release Latches
9. Speakers
10. MultiBay
11. Microphone out
12. Audio out
13. Suspend/Power Button
14. External Power in
15. USB Port
16. RJ-45 Ethernet Network Port
17. RJ-11 Modem Port
18. Internal Microphone

MODELS

Armada 6500
(With Windows 95 and Integrated Modem)

6300/T/6400/D/M/1
358970-002

Armada 6500
(With Windows NT Workstation 4.0 and Integrated Modem/ Ethernet)

6300/T/6400/D/M/3
359010-006

STANDARD FEATURES

Processor
Armada 6500: Intel Mobile Pentium® II processor 300 MHz, 512-KB level 2 cache

System Architecture
64-bit CPU and Graphics, AGP 2X graphics bus (66 MHz x 2 or 133 MHz)

Display/Graphics
14.1-in CTFT 1024 x 768 panel 24-bit true color (up to 16.8 million colors)

Industry leading notebook AGP implementation with 133-MHz data transfer rate

ATI RAGE LT Pro graphics controller

4-MB SGRAM video memory

Up to 100 Hz external refresh at 1024 x 768 resolution up to 16M colors

Memory
Armada 6500: 64-MB Synchronous DRAM expandable up to 320 MB[1]

MultiBay Design
The MultiBay design allows for user-customization with a CD-ROM Drive or 1.44-MB diskette drive, DVD-ROM Drive option, SuperDisk LS-120 Drive option, or 2nd Hard Drive option. For greater flexibility, MultiBay devices are interchangeable between the system and the optional Mobile 6500 Expansion Unit. In addition, an optional Iomega Zip Drive is available for use in the Mobile 6500 Expansion Unit only

Hard Drives
6.4-GB[2] removable SMART Hard Drive

CD-ROM Drive
24X Max[3] CD-ROM Drive standard

Storage
Notebook: Up to 12.8 GB[2]
Notebook and Mobile 6500 Expansion Unit: Up to 19.2 GB[2]

Communications
Integrated 56Kb/s[4] modem for high-speed remote access. Integrated 10/100 MB Ethernet for direct LAN connections

PC Card Slots
Two Type II/One Type III PC Card Slot(s) which support both 32-bit CardBus[5] and 16-bit PC Cards; Zoomed Video support in bottom slot only

Infrared Communication Port
4 Mb/s[6] infrared communication port for wireless communication with other infrared devices

AC Power
All systems ship with external AC Adapter and power cord, weighing just over half a pound (.24 kg)

Battery
Li-Ion Battery Pack provides over three hours of battery life[7]. Function Key and screen indicators provide information on battery charge status

3 Spindle Support
The Mobile 6500 Expansion Unit option provides simultaneous use of hard drive and any combination of option and standard drives (CD-ROM, floppy drive, DVD-ROM Drive, SuperDisk LS-120 Drive, 2nd Hard Drive and Iomega Zip Drive)

Multimedia
The Mobile 6500 Expansion Unit provides integrated stereo speakers and microphone, hardware and software volume control, headphone out, microphone in jacks, MIDI/joystick port, S-Video and S/P DIF Digital Dolby stereo audio for theater-quality performance, all in a sub-1" thin form factor

Integrated Pointing Device
Front mount touch pad and left/right buttons

Keyboard
Full size Windows 95 Keyboard

Power Conservation
Hibernation, Instant-On via Suspend in both MS Windows 95 and MS Windows NT; automatic stand-by mode timer, suspends via software, Suspend button or lid closure

Dimensions (HxWxD)
1.4 x 12 x 9.7 in/3.5 x 30.5 x 24.7 cm

Weight
Without AC adapter and weight saver in MultiBay: 5.9 lb

Without AC adapter and CD-ROM Drive in MultiBay: 6.4 lb

Without AC adapter and floppy drive in MultiBay: 6.2 lb

STANDARD FEATURES *(cont'd)*

Software

Armada 6500 System CD (Windows 95 and NT models): Single install of Windows 95 (OSR2), or Windows NT 4.0 (SP3), Microsoft Internet Explorer 4.01 preinstalled on all models

Armada 6500 Applications CD (MS Windows 95 or MS Windows NT.4.0 models): Puma Intellisync for Fast IR and Remote Synchronization; SM Quick Link for RAS and Fax; ESS AudioRack 32 for Advanced Audio

Interfaces

Infrared (IrDA-2.0 compliant), enhanced parallel, serial, external monitor, pointing device;
also supports optional third-party "Y" cable for dual external mouse and keyboard, PC Card, microphone in, headphone out

Security Features

Cable lock support; power-on and set-up passwords; ability to disable serial port, parallel port, PC Card slots, diskette drive, diskette drive boot sequence, infrared port

Service and Support

Compaq Services provide a range of services for the Armada 6500, with 7 day a week, 24 hour a day service line at 1-800-OK-COMPAQ (1-800-652-6672) and a three-year Worldwide Limited Warranty[8] with 2nd business day[9] pick-up and delivery service from Compaq. All shipping and handling materials are supplied and arranged by Compaq

OPTIONS

Memory

32-MB SDRAM Memory	358918-B21
64-MB SDRAM Memory	358919-B21

Data Storage

6.4-GB[1] SMART Hard Drive	358914-B21
DVD-ROM Drive	358912-B21
Iomega Zip Drive	358917-B21
SuperDisk LS-120 Drive	358911-B21

PC Cards/Communications

56K PC Card Modem[4]	295050-001
USB CardBus PC Card	296501-B21
SpeedPaq Cellular PC Card	221202-001
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
100 Base TX Ethernet Upgrade	225435-001
Int'l Modem Adapter	248075-001
Int'l DAA Cables (country specific)	234407-xx3
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

Expansion/Convenience Bases

Mobile 6500 Expansion Unit (carbon)	358907-B21
Armada 6500 Convenience Base (carbon)	358908-xx1

Power

Armada 6500 Li-Ion Battery Pack	358910-B21
AC Adapter	358909-001

Monitors

S700 Color[10]	360512-001
S900 Color[10]	360562-001
V55 Color[10]	308006-001
V75 Color[10]	307710-001
V90 Color[10]	305609-001
V900 Color[10]	303500-001
V1000 Color[10]	351757-001
P75 Color[10]	307806-001
P110 Color[10, 11]	284956-001
P1610 Color[10, 11]	305708-001
TFT450 Flat Panel[10]	170406-001
TFT500 Flat Panel[10]	285006-001

OPTIONS *(cont'd)*

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 Transciever	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

[1] When the 128-MB SDRAM Memory Kit becomes available in 4Q98.
[2] For Hard Drives, GB = Billion Bytes.
[3] Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.
[4] 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 works with Windows 9.x and Windows NT.
[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] 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 6500 will range up to 3.2 hours. Standard configuration at the time of announce (9/9/98) is considered to be one battery, a 1024 x 768 x 65K panel set at 50% brightness, 64-MB RAM and no drives other than the hard drive active.
[8] Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.
[9] 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.
[10] AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.
[11] May not be compatible with the ArmadaStation Monitor Support Stand, Convenience Base I or Convenience Base II due to weight limitations.

FEATURES

Compaq Armada 6500

	Compaq Armada 6500 with Windows 95 and Integrated Modem/ Ethernet	Compaq Armada 6500 with Windows NT Workstation 4.0 and Integrated Modem/ Ethernet
System Unit		
Microprocessor	Intel Mobile Pentium® II processor 300 MHz	Intel Mobile Pentium II processor 300 MHz
Secondary Cache	512-KB level 2 writeback	512-KB level 2 writeback
Architecture	64-bit addressing	64-bit addressing
RAM (Synch DRAM)		
Standard	64-MB	64-MB
Maximum	320-MB[1]	320-MB[1]
Coprocessor	Integrated	Integrated
Advanced Power Management	Yes	Yes
ACPI Hardware ready	Yes	Yes
AC Adapter	External	External
Display		
14.1-inch color 1024 x 768 CTFT	Yes	Yes
Resolution	1024 x 768 with up to 16 million colors	1024 x 768 with up to 16 million colors
Extended Text	Yes	Yes
Graphics		
Industry leading notebook AGP Implementation	133-MHz Data transfer rate	133-MHz Data transfer rate
Simultaneous Display Support	Yes	Yes
1600 x 1200 External	Yes	Yes
4-MB SGRAM	Yes	Yes
Storage		
24X Max[2] CD-ROM Drive	Yes	Yes
1.44-MB Diskette Drive	Yes	Yes
Removable 6.4-GB[3] SMART Hard Drives	Yes	Yes
Communications		
10/100 Ethernet	Integrated	Integrated
56KB/S data/fax modem	Integrated	Integrated
Interfaces		
PC Card Slots	Two Type II/One Type III	Two Type II/One Type III
Resume on Ring Support	Yes	Yes
Infrared Communication Port	1 (4 Mb/s[4] support)	1 (4 Mb/s[4] support)
Enhanced Parallel Port	1	1
Serial Port	1	1
USB Connector	1	1
External Monitor	1	1

	Compaq Armada 6500 with Windows 95 and Integrated Modem/ Ethernet	Compaq Armada 6500 with Windows NT Workstation 4.0 and Integrated Modem/ Ethernet
Interfaces *(cont'd)*		
External Keyboard/Pointing Device (PS/2)	1	1
Mobile 6500 Expansion Unit	1	1
RJ-11 Connector/RJ-45 Connector	1	1
Microphone In	1	1
Headphone Out	1	1
Support for Third-Party Y-Cables (for external mouse and keyboard)	Yes	Yes
Monitors		
S700 Color[5]	Optional	Optional
S900 Color[5]	Optional	Optional
V55 Color[5]	Optional	Optional
V75 Color[5]	Optional	Optional
V90 Color[5]	Optional	Optional
V900 Color[5]	Optional	Optional
V1000 Color[5]	Optional	Optional
P75 Color[5]	Optional	Optional
P110 Color[5, 6]	Optional	Optional
P1610 Color[5, 6]	Optional	Optional
TFT450 Flat Panel[5]	Optional	Optional
TFT500 Flat Panel[5]	Optional	Optional
Keyboard		
Full size Windows 95 Keyboard	Standard	Standard
External Enhanced III Keyboard	Optional	Optional
Supported System Software		
Software Included	Windows 95, Microsoft Internet Explorer 4.01, Puma Intellisync (IR), SM Quick Link(RAS/FAX), ESS Audio, advanced power management	Windows NT Workstation 4.0, Microsoft Internet Explorer 4.01, Puma Intellisync (IR), SM Quick Link (RAS/FAX) ESS Audio and advanced power management
Physical Specifications		
Dimensions (HxWxD)	1.4 x 12.0 x 9.7in/3.5 x 30.5 x 24.6 cm	1.4 x 12.0 x 9.7in/3.5 x 30.5 x 24.6 cm
CD-ROM Drive Configuration	6.4 lb/2.90 kg	6.4 lb/2.90 kg
Floppy Drive Configuration	6.2 lb/2.82 kg	6.2 lb/2.82 kg
Weight Saver Configuration	5.9 lb/2.68 kg	5.9 lb/2.68 kg

[1] When the 128-MB SDRAM Memory Kit becomes available in 4Q98.
[2] Data transfer rates will vary 150 Kb/s to 3600 Kb/s.
[3] For Hard Drives, GB = Billion Bytes.
[4] IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.
[5] AssetControl monitor. Asset Control features are accessible with Compaq desktops featuring Intelligent Manageability.
[6] May not be compatible with the ArmadaStation Monitor Support Stand, Convenience Base I or Convenience Base II due to weight limitations.

Compaq Armada 6500

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 320 MB[1] of SDRAM memory with the installation of optional SDRAM Memory Kits (64 MB SDRAM on System Board)

Up To	Slot 1	Slot 2
96 MB	32 MB	
128 MB	64 MB	
160 MB	64 MB	32 MB
192 MB	64 MB	64 MB
192 MB	128 MB	
224 MB	128 MB	32 MB
256 MB	128 MB	64 MB
320 MB	128 MB	128 MB

Note: The memory options supported on the Armada 6500 family are as follows. This chart does not represent all possible memory configurations

Following are memory options available from Compaq:

- 32-MB SDRAM Memory Upgrade 314890-B21
- 64-MB SDRAM Memory Upgrade 314891-B21

[1] When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

System Unit

Dimensions (HxWxD)	1.4 x 12.0 x 9.7 in/3.5 x 30.5 x 24.7 cm
Weight	
CD-ROM configured	6.4 lb/2.90 kg
FDD configured	6.2 lb/2.82 kg
Weight Saver configured	5.9 lb/2.68 kg
With AC Adapter and Cord (total carrying weight)	Plus .6 lb/.09 kg
Stand-Alone Power Requirements	
Average Operating Power	20 W
Peak Operating Power	28 W
Power Supply	
Rated Input Voltage	100-120/220-240 VAC
Rated Input Current	1.2/0.5A
Rated Frequency	50-60 Hz
Temperature	
Operating	0° to 50° C
Non-operating	-20° to 60° C
Relative Humidity	
Operating	20 to 80% relative humidity, non-condensing
Non-operating	5 to 95% relative humidity, 38.7° C
Shock	
Operating	10 G, 11 ms, half sine
Non-operating	100 G, 11ms, half sine
Vibration	
Operating	.25 G, 50-500 Hz sine, 1/2 octave/minute sweep
Non-operating	1 G, 50-500 Hz sine, 1/2 octave/minute sweep
Maximum Altitude	
Operating	0 to 8,000 ft/3.05 km (14.7 to 10.1 psia)
Non-operating	0 to 40,000 ft/12.16 km (14.7 to 4.4 psia)

Display LCD

Dimensions	11.8 x 8.94 in/29.85 x 22.7 cm
Diagonal Size	14.1 in/35.81 cm
Mounting	Side Mounted
Number of Colors	Up to 16.8 million with dithering
Contrast Ratio	120:1
Brightness	Up to 120 cd/m^2
Pixel Resolution	
Pitch	0.264 x 0.264 mm
Format	1024 x 768
Configuration	RGB stripe
Backlight	CCFT (Cold Cathode Fluorescent Tube)
Character Display	80 x 25
Total Power Consumption (maximum)	4.2 W

Hard Drives[1]

	6.4 GB[2]
Formatted Capacity	6.4 GB[2]
SMART, Drive Fault Prediction capable	Yes
Drive Height	12.7 mm
Transfer rate	
Media	13.5 Mb/s
Interface	33.3 Mb/s
Seek times (typical including settling)	
Track to track	3 ms
Average	12 ms
Maximum	24 ms
Disk Rotational Speed	4900 rpm
Physical Configuration	
Cylinders	8995
Heads	6
Sectors per track	63
Bytes per sector	512
Logical Configuration	
Cylinders	2000
Heads	16
Sectors per track	63
Bytes per sector	512
Buffer size	512 KB

Diskette Drive

Diskette Size	3.5 inch
Light	On system
Height	.43 in/11 mm
Bytes per Sector	1024
Sectors per track	
High/Low density	10 (2.0-MB)/18 (1.6-MB)/32 (1.0-MB)
Tracks per side	
High density	160 (all models)
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

24X Max[3] CD-ROM Drive

Applicable Disc	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	.59 in/15 mm
Disc Diameter	12 cm, 8 cm
Disc Thickness	1.2 mm
Track Pitch	1.6 µm
Access Times (typical including settling)	
Random	110 ms
Full Stroke	300 ms
Audio Output Level	
Line Out	1.0 Vrms
Cache Buffer	128 KB
Data Transfer Rates	
Sustained 1X	150 Kb/s
Sustained 24X	3600 Kb/s
Normal PIO Mode 4 (single burst)	16.66 Mb/s
DMA Single Mode 2	8.33 Mb/s
DMA Multi Mode 2	16.66 Mb/s
Start up Time	< 8 seconds
Stop Time	< 4 seconds

Li-Ion Battery Pack

Dimensions	.79 x 2.43 x 11 in/2.0 x 6.17 x 27.9 cm
Weight	1.25 lb/.57 kg
Energy	
Voltage	14.4 V
Amp-hour capacity	4.1 Ah
Watt-hour capacity	58.2 Wh
Performance	
Single battery life	Over 3 hours[4]
Temperature	
Operating	-4° to 104°F/-20° to 40°C
Non-operating – recommended storage	-4° to 140°F/-20° to 40°C

[1] Hard drive specifications may vary slightly depending on vendor.
[2] For Hard Drives, GB = Billion Bytes.
[3] Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.
[4] Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatterMark Test version 2.0, the battery life of the Armada 6500 will range up to 3.1 hours. Standard configuration at time of announce (9/9/98) is considered to be one battery, a 1024 x 768 x 65K panel set at 50% brightness, 64-MB RAM and no drives other than the hard drive active.