HP
KAYAK

HEWLETT PACKARD

| HP | Kayak | PC Workstations |

The **number** *One*
PC Workstations
in the world

Engineered to Perform.

PC Workstations

High-Performance Desktops

High-Performance Desktops

KC December 1999

PC Workstations

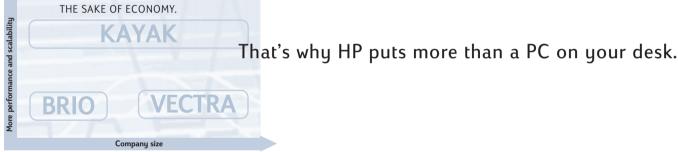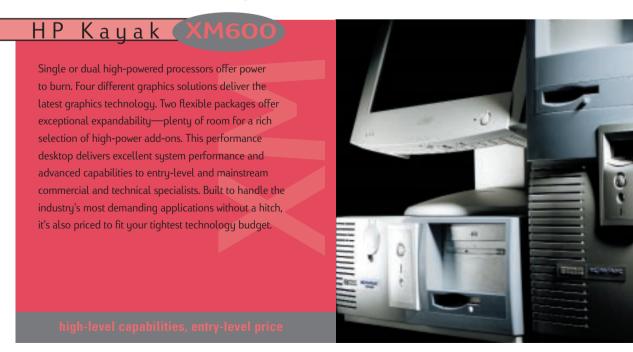# HP KAYAK

○ **For professionals, sometimes a PC just isn't enough.**

WHAT SETS PROFESSIONALS APART? FOR MANY, IT'S PERFORMANCE, THE ABILITY TO GROW, AND DEPENDABILITY THAT MAKE THEM WHO THEY ARE: TRUE PERFORMERS YOU CAN COUNT ON. NOW THERE'S A DESKTOP THAT OFFERS ALL THE SAME QUALITIES—AND *MORE*.

WHATEVER YOUR COMPUTING NEEDS—SOPHISTICATED OFFICE CAPABILITIES, HIGH-PERFORMANCE 3D GRAPHICS, OR DUAL PROCESSING FOR OPTIMIZED MULTITASKING—HP HAS THE RIGHT HIGH-PERFORMANCE DESKTOP FOR YOU. IT'S THE TOP OF HP'S DESKTOP LINE: THE HP KAYAK, A PC WORKSTATION THAT OFFERS ALL THE SECURITY AND MANAGEABILITY OF OUR CORPORATE PCS, WITH ADDED SCALABILITY, EVEN HIGHER PERFORMANCE, AND ADVANCED DIAGNOSTICS TO KEEP PACE WITH THE WAY YOU WORK. AND FINALLY, IT'S ATTRACTIVELY PRICED—SO THERE'S NO NEED TO COMPROMISE ON PERFORMANCE FOR THE SAKE OF ECONOMY.

More performance and scalability

KAYAK

BRIO   VECTRA

Company size

That's why HP puts more than a PC on your desk.

HP introduces two new high-performance desktops:

H P   K a y a k   XM600

Single or dual high-powered processors offer power to burn. Four different graphics solutions deliver the latest graphics technology. Two flexible packages offer exceptional expandability—plenty of room for a rich selection of high-power add-ons. This performance desktop delivers excellent system performance and advanced capabilities to entry-level and mainstream commercial and technical specialists. Built to handle the industry's most demanding applications without a hitch, it's also priced to fit your tightest technology budget.

high-level capabilities, entry-level price

Engineered to perform.

The latest performance technologies

The new HP Kayak PC Workstations incorporate technologies that take system performance to new levels. Choose among workstation features such as one or two **Intel Pentium® III processors up to 733MHz,** the ground-breaking **Intel 820 or 840 chipset,** and an ultra-fast **system bus up to 133MHz.** Add a choice of newly introduced **RDRAM or SDRAM memory architecture;** a new **64-bit, 66MHz PCI bus;** high-bandwidth **AGP 4X or optional AGP Pro 50W support; Ultra2 SCSI** or **new Ultra 160 SCSI** disk storage; optional **HP FastRAID** disk striping and mirroring (available early 2000) to improve hard disk performance and offer redundancy; and highly efficient **HP Ultra Flow** temperature control to keep your PC Workstation running at a safe temperature for maximum reliability—even when it's fully loaded with dual processors, high-power graphics, and maximum memory and disk storage.

Designed to meet and grow with your needs.

Scalability and expandability

To maximize return on your technology investment, your performance desktop must be able to scale to meet your present *and* future needs. That's why HP delivers standard and optional features such as **dual-processing support,** including **HP DualExpress!,** HP's installation tool for an easy transition to dual processing. Additional expandability comes from internal and external **Ultra2 and Ultra 160 SCSI** connectivity as well as a dual-channel Ultra ATA/66 interface; **high-capacity storage,** including ample expansion shelves and slots; and highly **expandable SDRAM or RDRAM** memory.

Built to last.

Manageability, security, and reliability

Performance and scalability mean nothing unless your desktops are also *stable*—manageable, securable, and reliable. That's why HP incorporates an array of technologies that reinforce stability. Start with **HP TopTools** to help you manage your desktops, **HP PC Image Engineer** software to help you create and deploy your corporate software image, and an **HP 10/100Base-T LAN** interface to enable remote PC power-on, wake-up, and power-off. Add **HP MaxiLife,** an advanced diagnostics chip that monitors key system elements, maximizing system uptime and keeping you informed of any sign of failure; the optional **HP Master Pass Key** system for ultimate PC access control; and, of course, the **built-in reliability** that comes from HP's years of experience in delivering the highest-quality PCs in the industry.

Made for professionals.

Power when you need it, where you need it

A dual-processing system has, literally, two processor sockets and two identical CPU chips running under a multiprocessing-capable operating system such as Windows NT®. This configuration allows many of your tasks to be run in parallel (multitasking) or divided into threads or sub-tasks that are split between the processors (multithreading). Both operations provide a considerable performance increase.

Dual processing is a cost-effective way to improve responsiveness, increase system stability, and boost productivity. With the newest HP Kayak PC Workstations, you can choose dual processing now— or count on a quick, efficient transition to dual processing later with HP DualExpress!, the dual-processing upgrade tool we include with every processor upgrade kit we sell. Simply put, dual processing constitutes a tangible benefit for your business.

Want to learn more about dual processing or some of the other technologies mentioned on this page? You'll find information on topics such as dual processing, Rambus memory, multiple-display support, AGP, and desktop management—all in downloadable .pdf format—in the HP Kayak Info Library, just one of the many useful areas of HP's Web site at **www.hp.com/go/desktops**

HP Kayak XU800

Industry-leading performance—with top Pentium III processor speed; dual-processor capability; high-performance system, dual PCI-64/PCI-32, and AGP 4X/Pro 50W buses; high-speed Rambus memory; and incredibly fast I/O—make this performance desktop the fastest on the market. Its four different graphics solutions, top scalability, expandability, and open-ended flexibility make this PC Workstation a clear choice for expert financial, technical, and creative professionals with a wide range of computing needs. Finally, it comes with HP's renowned quality and reliability—and at a price that delivers unmistakable value.

record-breaking speed, long-lasting value

A range of top-performance graphics solutions

Whether your HP Kayak PC Workstation of choice is the mainstream XM600 or the ultimate-performance XU800, you can select any of these four premier graphics solutions to suit your needs:

3Dlabs Oxygen GVX1 AGP 2X.
Expert 3D OpenGL graphics solution, offering outstanding 3D modeling and visualization for 3D MCAD, 3D animation, and large-dataset geosciences applications.
- Full OpenGL 1.2 support
- Incorporates GLINT R3 rasterization processor and GLINT Gamma G1 geometry processor
- 32MB SGRAM unified frame buffer
- Up to 256MB of host memory used as a virtual texture store

ELSA Synergy II AGP 2X/4X.
Professional 3D OpenGL graphics solution for technical and commercial applications.
- Industry-leading AutoCAD™ 2D and 3D graphics
- Up to 1920 × 1200 true color 3D support
- Powered by the Riva TNT2 graphics engine
- 32MB SGRAM video memory

Matrox Millennium G400 Dual AGP 2X/4X.
The best professional 2D graphics solution.
- Dual-monitor 2D support in one AGP slot
- Outstanding 2D performance and quality
- 16MB SGRAM video memory

Matrox Millennium G250 AGP 2X.
A best-value mainstream graphics solution that delivers top price/performance in 2D environments.
- Full AGP 2X support
- Powered by the Matrox MGA-200 chip
- 8MB SGRAM video memory, expandable to 16MB with Matrox upgrade

A focus on applications

Here are just a few of the industries and applications for which the HP Kayak XM600 and XU800 PC Workstations are ideally suited:
- **2D and 3D MCAD and MCAE environments:**
  Autodesk AutoCad 2000 and Mechanical Desktop, SolidWorks, PTC ProDesktop and ProEngineer, Cocreate SolidDesigner, Unigraphics Solutions SolidEdge and Unigraphics, SDRC Master Series and Artisan Series, and Bentley MicroStation
- **Financial markets:**
  Market data, risk, and trading applications, including Reuters, Tibco, Bridge, Bloomberg, Newsedge, and Infinity
- **Software development:**
  Microsoft® business applications and software development tools
- **Graphic design:**
  A variety of desktop publishing, illustration, and database management applications
- **Animation, imaging, and video editing:**
  Discreet 3D Studio MAX, Avid Softimage 3D, Alias|Wavefront Maya, NewTek LightWave 3D, and Adobe Photoshop®
- **High-performance office:**
  Microsoft Office

Markets

Focused

Standard Features

	HP Kayak XM600 PC Workstation	HP Kayak XU800 PC Workstation
Processor	Pentium III 500/533EB/600EB/667/733MHz	Pentium III 533EB/600EB/667/733MHz
Dual processing	Standard on one model, supported as optional accessory on all other models	Supported as optional accessory on all models
Bus architecture	**System bus:** 100MHz front side bus (FSB) on 500MHz processor models; 133MHz FSB on 533EB/600EB/667/733MHz processor models **PCI bus:** 32-bit, 33MHz **AGP bus:** AGP 4X (desktop models) or AGP 4X Pro 50W (minitower models)	**System bus:** 133MHz FSB **PCI bus:** dual PCI—one 64-bit, 66MHz plus one 32-bit, 33MHz **AGP bus:** AGP 4X Pro 50W
Chipset	Intel 820	Intel 840
Package	Desktop or minitower	Minitower
Memory architecture	**Dual channel:** Synchronous dynamic memory (SDRAM) or Rambus direct memory (RDRAM)	**Dual channel:** Synchronous dynamic memory (SDRAM) or Rambus direct memory (RDRAM)
System RAM	64MB/128MB SDRAM or 128MB RDRAM standard	128MB SDRAM or 128MB/256MB RDRAM standard
Memory expandability	**Maximum SDRAM:** 1GB **Maximum RDRAM:** 512MB now, 1GB when 512MB RDRAM memory modules become available	**Maximum SDRAM:** 2GB now, 4GB when 1GB SDRAM memory modules become available **Maximum RDRAM:** 1GB now, 2GB when 512MB RDRAM memory modules become available
Hard disk drive and controller technology	Ultra ATA/66 hard disk drive and controller on some models, Ultra2 SCSI hard disk drive and controller on others	Ultra 160 SCSI hard disk drive and controller (on the 64-bit, 66MHz PCI bus); optional second PCI Ultra2 SCSI and HP SCSI FastRAID controllers
Graphics solution	• Matrox Millennium G250 • Matrox Millennium G400 Dual • ELSA Synergy II • 3Dlabs Oxygen GVX1	• Matrox Millennium G250 • Matrox Millennium G400 Dual • ELSA Synergy II • 3Dlabs Oxygen GVX1
Ports	2 serial, 1 parallel, keyboard, mouse, audio, 2 USB; high-density Ultra2 SCSI (on SCSI models)	2 serial, 1 parallel, keyboard, mouse, audio, 2 USB; high-density Ultra3 (Ultra 160) SCSI
Connectors	VGA, RJ-45 Ethernet, MIDI/joystick, VESA feature	VGA, RJ-45 Ethernet, MIDI/joystick, VESA feature
Shelves/Slots	5/6 (desktop); 7/6 (minitower)	7/6

Common Features *(included with every HP Kayak PC Workstation)*

Operating system	Windows NT Workstation 4.0 preloaded (except flexible–operating-system models, which come with basic operating system license [IBM DOS]); full support for Windows® 2000 Professional, Windows 95, Windows 98; certified for SunSoft Solaris 2.7, Novell Client for Windows NT, Red Hat Linux 6.1[1]
Software	HP TopTools, HP DiagTools, Microsoft Internet Explorer, Netscape Communicator
Manageability and reliability	User/administrator passwords, chassis lock, security bracket, setup/passwords in EEPROM, HP MaxiLife (with backlit LCD display on minitower models), hard-coded serial number and tattoo, password-protected boot control and port I/O enable/disable, ROM socket for optional virus protection, chassis intrusion detection
Multimedia	Integrated, PCI, digital, high-fidelity, full-duplex stereo audio; HP Multimedia Keyboard with audio connections and control, programmable hot-keys, and power-on space bar; choice of CD-ROM, DVD-ROM, and CD-Writer drives
Warranty	Three-year international limited warranty, including onsite service

[1] Certification pending at product release.

LINUXCARE LABS CERTIFIED

a selection of HP monitors

18" LCD

Display type	18" liquid crystal display (18.1" viewable); in-plane switching (IPS) thin film transistor (TFT) active matrix
Resolutions: – **Native** – **Recommended**	1280 × 1024 @ 75Hz 1280 × 1024 @ 60Hz Automatic scale-up, 1:1 mode and aspect ratio
Display Plug & Play/ USB ready	PC98, DDC2a/b/ci Self-powered USB hub (1 upstream, 4 downstream)
Ordering information	HP L1800 monitor Product number D5065A

19"

Display type	19" FD Trinitron CRT (18.0" viewable)
Dot pitch	0.25mm (phosphor dot pitch)
Horizontal scan rate	29–107kHz
Resolutions: – **Recommended** – **Maximum**	1280 × 1024 @ 85Hz 1600 × 1200 @ 65Hz
Display Plug & Play/ USB	PC99, DDC1/2bi
Ordering information	HP P910 monitor Product number D8910A (Available in North America and Europe only)

21"

Display type	21" FD Trinitron CRT (19.8" viewable)
Dot pitch	0.25mm (phosphor dot pitch)
Horizontal scan rate	29–121kHz
Resolutions: – **Recommended** – **Maximum**	1600 × 1200 @ 85Hz 1800 × 1440 @ 80Hz
Display Plug & Play/USB	PC99, DDC1/2bi
Ordering information	HP P1110 monitor Product number D2847A

FOR MORE INFORMATION ON THE COMPLETE RANGE OF HP MONITORS, VISIT US AT OUR WEB SITE: **www.hp.com/go/monitors**

Configurations and Models[1]

Processor Type	Processor Speed	FSB Speed	System RAM/Type[2]	Hard Disk Size/Type[3]	Hard Disk Speed	Optical Storage[4]/ Audio	Graphics Solution[5]	Video RAM	LAN Interface[6]	Product Number[7,8]
HP Kayak XM600 PC Workstations[9]										
Desktop models										
Pentium III	500MHz	100MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D9531N/T[10]
Pentium III	500MHz	100MHz	64MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D9532N/T[10,11]
Pentium III	500MHz	100MHz	64MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D9547N/T[10]
Pentium III	533EBMHz	133MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D8350N/T[10,11]
Pentium III	533EBMHz	133MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D9535N/T[10]
Pentium III	533EBMHz	133MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D9536N/T[10]
Pentium III	533EBMHz	133MHz	128MB SDRAM	9.1GB Ultra2 SCSI	7200rpm	48X Max/Yes	Synergy II	32MB	Yes	D9543N/T[10]
Pentium III	600EBMHz	133MHz	128MB SDRAM	15.0GB Ultra ATA/66	7200rpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D9538N/T[10]
Pentium III	667MHz	133MHz	128MB SDRAM	15.0GB Ultra ATA/66	7200rpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D9548N/T[10]
Minitower models										
Pentium III	500MHz	100MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D9533N/T[10]
Pentium III	500MHz	100MHz	128MB SDRAM	9.1GB Ultra2 SCSI	7200rpm	48X Max/Yes	Synergy II	32MB	Yes	D9534N/T[10]
Pentium III	533EBMHz	133MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D9537N/T[10]
Pentium III	600EBMHz	133MHz	128MB SDRAM	9.1GB Ultra2 SCSI	7200rpm	48X Max/Yes	Synergy II	32MB	Yes	D9540N/T[10]
Pentium III	600EBMHz	133MHz	128MB RDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D9544N/T[10,12]
Pentium III	600EBMHz	133MHz	128MB SDRAM	9.1GB Ultra2 SCSI	7200rpm	48X Max/Yes	Oxygen GVX1	32MB	Yes	D9545N/T[10]
Pentium III	667MHz	133MHz	128MB RDRAM	9.1GB Ultra2 SCSI	7200rpm	48X Max/Yes	Synergy II	32MB	Yes	D9546N/T[10,12]
Pentium III	733MHz	133MHz	128MB SDRAM	9.1GB Ultra2 SCSI	7200rpm	DVD/Yes	Millennium G400 Dual	16MB	Yes	D9539N/T[10]
Pentium III	733MHz	133MHz	128MB RDRAM	9.1GB Ultra2 SCSI	7200rpm	48X Max/Yes	Oxygen GVX1	32MB	Yes	D8366N/T[10,12]
Dual-processor desktop models										
Pentium III	2 × 500MHz	100MHz	128MB SDRAM	10.0GB Ultra ATA/66	5400rpm	48X Max/Yes	Millennium G250	8MB	Yes	D9541N/T[10]
HP Kayak XU800 PC Workstations[9]										
Minitower models										
Pentium III	533EBMHz	133MHz	128MB SDRAM	9.1GB Ultra 160 SCSI	7200rpm	48X Max/Yes	Millennium G250	8MB	Yes	D8002N/T[10]
Pentium III	533EBMHz	133MHz	128MB RDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D8003N/T[10,12]
Pentium III	533EBMHz	133MHz	128MB SDRAM	15.0GB Ultra ATA/66	7200rpm	48X Max/Yes	Millennium G250	8MB	Yes	D8019N/T[10]
Pentium III	533EBMHz	133MHz	128MB SDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Synergy II	32MB	Yes	D8020N/T[10]
Pentium III	600EBMHz	133MHz	128MB SDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Millennium G250	8MB	Yes	D8000N/T[10,11]
Pentium III	600EBMHz	133MHz	128MB RDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Millennium G250	8MB	Yes	D8001N/T[10,11,12]
Pentium III	600EBMHz	133MHz	128MB RDRAM	9.1GB Ultra 160 SCSI	10krpm	DVD/Yes	Millennium G400 Dual	16MB	Yes	D8006N/T[10,12]
Pentium III	600EBMHz	133MHz	128MB SDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Synergy II	32MB	Yes	D8007N/T[10]
Pentium III	600EBMHz	133MHz	128MB RDRAM	9.1GB Ultra 160 SCSI	10krpm	RW[13]/Yes	Oxygen GVX1	32MB	Yes	D8009N/T[10,12]
Pentium III	600EBMHz	133MHz	128MB SDRAM	15.0GB Ultra ATA/66	7200rpm	48X Max/Yes	Millennium G400 Dual	16MB	Yes	D8021N/T[10]
Pentium III	667MHz	133MHz	128MB SDRAM	9.1GB Ultra 160 SCSI	10krpm	48X/Yes	Millennium G250	8MB	Yes	D8016N/T[10]
Pentium III	733MHz	133MHz	128MB SDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Millennium G250	8MB	Yes	D8010N/T[10]
Pentium III	733MHz	133MHz	128MB RDRAM	9.1GB Ultra 160 SCSI	10krpm	DVD/Yes	Millennium G400 Dual	16MB	Yes	D8012N/T[10,12]
Pentium III	733MHz	133MHz	128MB RDRAM	9.1GB Ultra 160 SCSI	10krpm	48X Max/Yes	Synergy II	32MB	Yes	D8013N/T[10,12]
Pentium III	733MHz	133MHz	256MB RDRAM	18.0GB Ultra 160 SCSI	10krpm	RW[13]/Yes	Oxygen GVX1	32MB	Yes	D8015N/T[10,12]

[1] Model availability may vary from country to country. Please check with your reseller for details.
[2] RDRAM = Rambus direct RAM. SDRAM = synchronous dynamic RAM.
[3] UATA/66 = Ultra ATA/66.
[4] 48X = HP 48X Max-speed IDE CD-ROM drive. DVD = HP 8X Max-speed IDE DVD-ROM drive. RW = HP 4X Max-speed IDE CD-Writer Plus drive.
[5] Millennium G250 = Matrox Millennium G250 graphics with AGP 2X support. Millennium G400 = Matrox Millennium G400 Dual graphics with AGP 2X/4X support. Synergy II = ELSA Synergy II graphics with AGP 2X/4X support. Oxygen GVX1 = 3Dlabs Oxygen GVX1 graphics with AGP 2X support.
[6] LAN interface = HP 10/100Base-T Ethernet adapter.
[7] Language option must be specified; for example, "ABA" for U.S. English.
[8] With every HP Kayak PC Workstation, you can receive HP OpenView Desktop Administrator Software Distribution Module for free by registering at www.hp.com/go/tt_dta.
[9] All models except D9532T, D8350T, D8000N/T, and D8001N/T come with Windows NT Workstation 4.0 preloaded. Upgrade offer to Windows 2000 Professional is provided free of charge until March 31, 2000 (Windows NT Workstation 4.0 models only). Details are available at www.hp.com/go/win2000upgrade.
[10] "T" models are available in U.S. only; "N" models are available in all other countries.
[11] This flexible–operating-system model is shipped with a basic operating system license (IBM DOS).
[12] Available in January 2000.
[13] This model includes Adaptec Easy CD Creator and DirectCD software for use with the CD-RW.
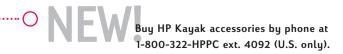
> HP KAYAK XU: "THIS IS AN EXPLOSIVE MACHINE. IT'S SO FAST YOU CAN'T HANG ON TIGHTLY! IT'S VERY ERGONOMIC."
> *SOFTWARE DEVELOPMENT MAGAZINE,* **MARCH 1999**

> HP KAYAK XA: "HEWLETT-PACKARD'S KAYAK XA PILES ON THE GRAPHICS HARDWARE, TONS OF MEMORY, AND A FAST CPU, BUT IT COSTS A FRACTION OF WHAT ITS SNOOTY COMPETITION COSTS."
> *PC COMPUTING,* **A-LIST, JUNE 1999**

		HP Kayak Model	
		XM600	**XU800**
Memory	HP 64MB non-ECC 100MHz SDRAM (D6502A)	•	
	HP 128MB non-ECC 100MHz SDRAM (D6503A)	•	
	HP 256MB non-ECC 100MHz SDRAM (D9525A)	•	
	HP 64MB ECC 100MHz SDRAM (D6522A)		•[1]
	HP 128MB ECC 100MHz SDRAM (D6523A)		•[1]
	HP 256MB ECC 100MHz SDRAM (D6743A)		•[1]
	HP 512MB ECC 100MHz SDRAM (D6742B)[2]	•[3]	
	HP 512MB ECC 100MHz SDRAM (D9526A)		•[1]
	HP 64MB non-ECC RDRAM (D9500A)[2]	•	
	HP 128MB non-ECC RDRAM (D9502A)[2]	•	
	HP 256MB non-ECC RDRAM (D9503A)[2]	•	
	HP 64MB ECC RDRAM (D9504A)[2]	•	
	HP 128MB ECC RDRAM (D9506A)[2]	•	
	HP 256MB ECC RDRAM (D9507A)[2]	•	
	HP 128MB ECC RDRAM Kit (D9518A)[2,4]		•
	HP 256MB ECC RDRAM Kit (D9519A)[2,4]		•
	HP 512MB ECC RDRAM Kit (D9520A)[2,4]		•
Video memory	HP 8MB SGRAM for Matrox G250 AGP (D9527A)	•[5]	•[5]
Graphics accessories	HP Matrox G400 Graphics Card (D9521A)[2]	•	•
	HP ELSA Synergy II Graphics Card (D9522A)[2]	•	•
	HP 3Dlabs Oxygen GVX1 Graphics Card (D9523A)[2]	•	•
Processor upgrades	HP Pentium III 500MHz Kit (D9448A)[2]	•	
	HP Pentium III 533EBMHz Kit (D9450A)	•	•
	HP Pentium III 600EBMHz Kit (D9452A)	•	•
	HP Pentium III 667MHz Kit (D9453A)	•	•
	HP Pentium III 733MHz Kit (D9659A)	•	•
Hard disk drives	HP 8.4GB Ultra ATA/66 5400rpm HDD (D8373A)	•	
	HP 10.0GB Ultra ATA/66 5400rpm HDD (D9623A)	•	
	HP 13.5GB Ultra ATA/66 7200rpm HDD (D8092A)	•	
	HP 27.0GB Ultra ATA/66 7200rpm HDD (D8607A)	•	•
	HP 9.1GB SCSI Ultra3 7200rpm HDD (D6938B)	•[6]	•
	HP 9.1GB SCSI Ultra3 10krpm HDD (D8608A)	•[6,7]	•
	HP 18.0GB SCSI Ultra3 10krpm HDD (D8609A)	•[6,7]	•
Optical storage	HP 48X Max-speed IDE CD-ROM Drive (D9444A)	•	•
	HP 5X Max-speed IDE DVD-ROM Drive (D7520A)	•	•
	HP 4X Max-speed IDE CD-Writer Plus Drive (D9524A)	•	•
Zip drives	HP 100MB ATAPI II Internal ZIP Drive (D6650A)	•	•
LAN interfaces	HP 10/100BT PCI Network Card (D7508A)[8]	•	•
	HP 3Com FastEtherlink 3C905C-TX NIC (D7522A)[8]	•	•
	HP Intel Pro/100+ Management Adapter (D7506A)[8]	•	•
Input devices	HP Windows Keyboard (C4735A)	•	•
	HP Multimedia Keyboard (C4742A)	•	•
	HP Windows Keyboard (C4735A)	•	•
	HP Two-Button Mouse (C3751B)	•	•
	HP Scrolling Mouse (C4736A)	•	•
	HP Cordless Scrolling Mouse (C4740A)	•	•
Security	HP Master Pass Key System Kit (D6655B)	•	•
	HP Master Pass Key (D6658B)	•	•
	HP ProtectTools Smart Card Reader Kit (D8436A)	•	•
Adapter cards	HP Ultra2 SCSI Adapter Card (D9663A)	•	•
Audio and multimedia	HP Amplified Speakers—10W RMS (D4545A)	•	•
	HP Amplified Speakers 4W RMS (D6861A)	•	•
	HP Standard Headset (D8387A)	•	•
Other	HP USB Hub Kit (D6804A)	•	•

[1] Must be installed in the system in pairs.
[2] Available in January 2000.
[3] Operates in non-ECC mode when installed in XM600 systems.
[4] Contains two Rambus RIMMs.
[5] For models with Matrox Millennium G250 AGP graphics only.
[6] Operates only in Ultra2 SCSI mode when installed in XM600 systems.
[7] For use in minitower models only.
[8] Reseller-friendly bulk packs are also available.

NEW! Buy HP Kayak accessories by phone at 1-800-322-HPPC ext. 4092 (U.S. only).