

hp e-pc 42

april 2002



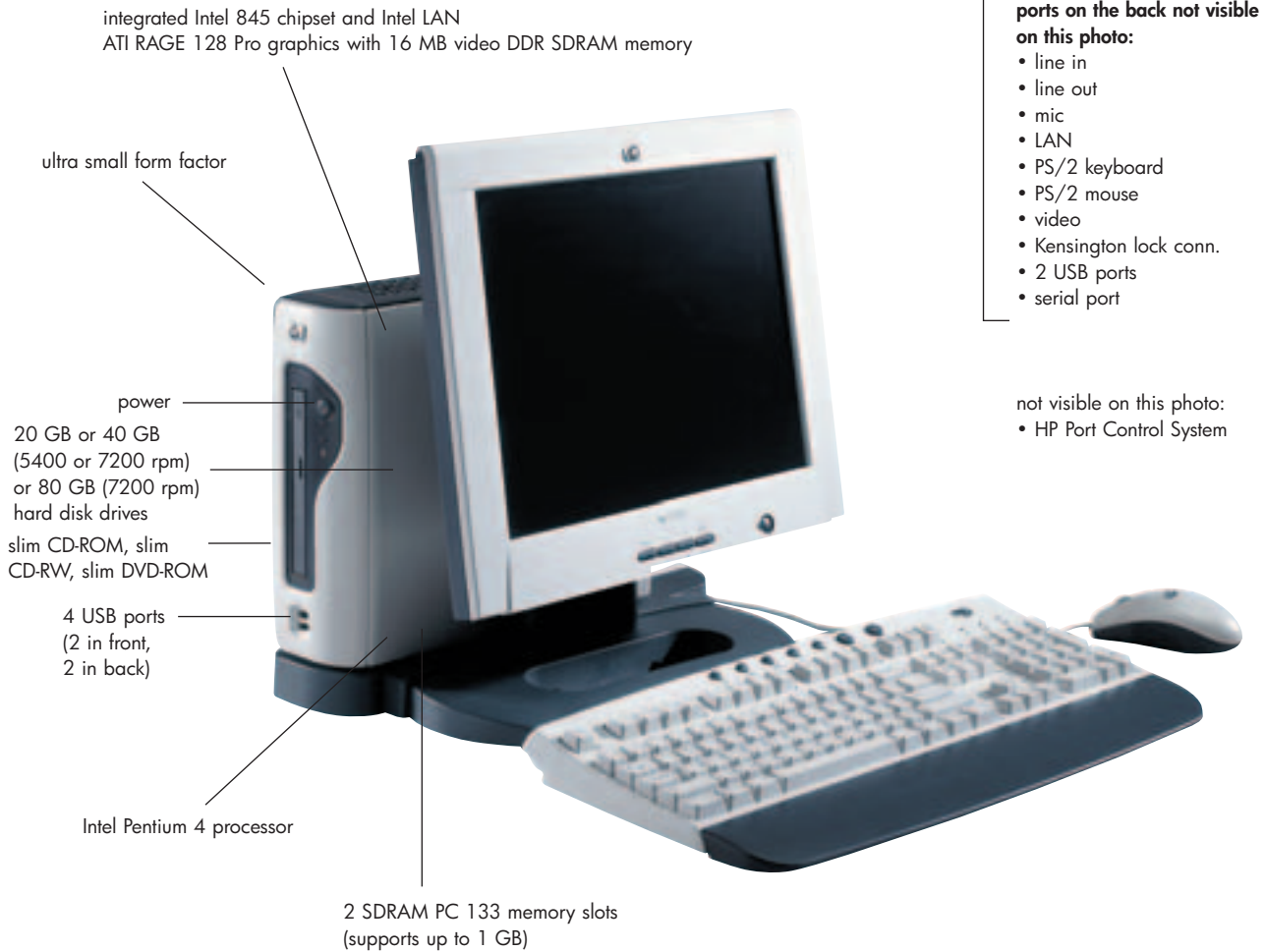
e-pc with Intel® Pentium® 4 processor

The e-pc 42 offers the Intel Pentium 4 processor, with integrated graphics and LAN in an ultra small form factor.

- **easy to deploy:** With 9 to 12 month product lifecycles, stable software images, and tools and services to centrally deploy your PCs and e-pcs, the HP professional line PCs help you reduce the workload and cost of deployment.
- **easy to manage:** Every professional line PC from HP comes with HP Tootools to let you manage HP and non-HP PCs as well as servers, printers, and more. Combining the built-in manageability of HP professional line PCs with HP Tootools enables you to use fewer IT resources to manage more PCs. It complements, and integrates with, other network and software management solutions such as HP OpenView and Microsoft® SMS.
- **easy to support:** HP professional line PCs are serviceable, help you increase uptime, and keep support costs under control.
- **small, silent, stylish:** About the size of a dictionary, the e-pc 42 fits almost anywhere. Its versatility and low noise optimize your working comfort.
- **reliability, simplified parts replacement and control:** The HP e-pc is simpler than a classic PC. Fewer components means fewer problems: it reduces the average failure risk by 35%. With only four modules—memory, hard-disk drive, system chassis, and external power supply—the innovative design of the e-pc 42 brings serviceability to a level where end users don't have to wait for a technician to swap parts, resulting in reduced downtime. Complement this by the fact that it is simple to transport and stock because of its small size and weight. For standardized environments, the "sealed box" concept of the HP e-pc 42 prevents unauthorized hardware changes and with its unique HP Port Control System, you can control the addition or removal of connected devices.

professional line pc





at a glance

new technology highlights

- Intel Pentium 4 processor: 1.6 GHz, 1.7 GHz, and 1.8 GHz with 256 KB level-2 cache; and Intel Pentium 4 processor: 2.0 GHz and 2.2 GHz and latest frequencies with 512 KB level-2 cache and a 400 MHz front side bus
- Intel 845 chipset with SDRAM PC 133 memory support; 2 memory slots; 400 MHz front side bus; Ultra ATA/100; 4 USB 1.1
- 64, 128, 256, or 512 MB SDRAM memory PC 133 expandable to 1 GB
- Embedded ATI RAGE 128 Pro graphic chip with 16 MB DDR SDRAM video memory for 2D and 3D graphics
- Integrated Intel PRO 10/100 VE network connection with 10Base-T and 100Base-TX physical layer capabilities
- 16-bit stereo full-duplex integrated sound with external connectors for microphone, stereo input, and stereo output for external speakers or headphone option
- Choice of 20 GB or 40 GB (5400 rpm or 7200 rpm) or 80 GB (7200 rpm) Ultra ATA/100 SMART II hard disk drives
- Choice of optical storage device:
 - HP 24X Max-speed slim IDE CD-ROM drive
 - HP 8X/8X/24X Max-speed slim IDE CD-RW drive
 - HP 8X Max-speed slim IDE DVD-ROM drive
- Choice of preloaded operating systems:
 - Microsoft Windows® XP Professional¹
 - Microsoft Windows XP Home Edition
 - Microsoft Windows 2000 Professional
 - Linux Mandrake Premium²
- Additional supported operating systems:
 - Microsoft Windows NT® Workstation 4.0
 - Microsoft Windows 98 Second Edition
- Linux enabled:
 - Certified by Linuxcare (Caldera, Mandrake, Red Hat, SuSE, Turbolinux)

¹ With Microsoft Windows 2000 Professional downgrade on CD-ROM.

² This software is shipped in the box. Its availability may vary by country.

HP PCs use genuine Windows® Operating Systems
www.microsoft.com/piracy/howtotell

configurations and models

product number	processor	RAM (standard/max.)	cache	hard disk	optical storage	audio	video RAM	operating system
A7652T	Pentium 4 1.7 GHz	128 MB/1 GB	256 KB/512 KB	20 GB 5400 rpm	CD-ROM	Integ. AC '97	16 MB DDR SDRAM	Windows XP Pro/2000
A7655T	Pentium 4 1.7 GHz	256 MB/1 GB	256 KB/512 KB	40 GB 7200 rpm	CD-ROM	Integ. AC '97	16 MB DDR SDRAM	Windows XP Pro/2000
A7656T	Pentium 4 1.7 GHz	256 MB/1 GB	256 KB/512 KB	40 GB 7200 rpm	CD-RW	Integ. AC '97	16 MB DDR SDRAM	Windows XP Pro/2000

monitors

HP has the right monitor for you at the right price. Detailed information is available at: www.hp.com/go/monitors

CRT monitors	commercial name	hp part number	size/VIS*	dot/pixel pitch	recommended resolution/ max resolution (@xxHz)	horizontal frequency
15" essential	hp 56	P4795A	15.0 in. 13.8 in. viewable area	0.28 mm	800x600 @ 85 Hz 1024x768 @ 60 Hz	30-54 kHz
17" essential	hp 72	D8904A	17.0 in. 15.9 in. viewable area	0.27 mm	1024x768 @ 85 Hz 1280x1024 @ 60 Hz	30-70 kHz
17" professional (flat CRT)	hp p720	D8907A	17.0 in. 16.0 in. viewable area	0.25 mm	1024x768 @ 85 Hz 1280x1024 @ 75 Hz	30-85 kHz
19" essential	hp 92	P4815A	19.0 in. 18.0 in. viewable area	0.26 mm	1280x1024 @ 85 Hz 1600x1200 @ 75 Hz	30-95 kHz
19" professional (flat CRT)	hp p920	D8912A	19.0 in. 18.0 in. viewable area	0.24 mm	1280x1024 @ 85 Hz 1920x1440 @ 70 Hz	29-107 kHz
21" professional (flat CRT)	hp p1130	D4819A	21.0 in. 19.8 in. viewable area	0.24 mm	1600x1200 @ 85 Hz 2048x1536 @ 75 Hz	30-130 kHz
LCD monitors						
15" professional	hp l1520	D5063A D5063M	15.0 in. 15.0 in. viewable area	0.297	1024x768 @ 60 Hz 1024x768 @ 75 Hz	N/A
17" professional	hp l1720	D5064M	17.0 in. 17.0 in. viewable area	0.264	1280x1024 @ 60 Hz 1600x1200 @ 60 Hz	N/A
18" professional	hp l1820	P4829A	18.0 in. 18.0 in. viewable area	0.279	1280x1024 @ 60 Hz 1600x1200 @ 60 Hz	N/A

*viewable image size

Go to the HP monitor advisor tool at: www.hp.com/go/monitors and select "Help me choose my HP monitor" for assistance in choosing the appropriate HP monitor. When selecting a monitor you should take into consideration the main application running on your PC, or any other criteria such as cost or space requirements.

accessories and services

e-pc 42 accessories

e-pc 42 companions

P1966A	HP e-pc All-in-2 integration kit
P2290A	HP e-pc mounting bracket
P5911A	HP cordless keyboard and mouse kit ¹

memory

P1537A	HP 128 MB (1 x 128 MB) 133 MHz SDRAM non-ECC DIMM
P1538A	HP 256 MB (1 x 256 MB) 133 MHz SDRAM non-ECC DIMM

hard disk drives

P1541A	HP 20.0 GB 7200 rpm Ultra ATA/100
P2813A	HP 40.0 GB 7200 rpm Ultra ATA/100
P1542A	HP 80.0 GB 7200 rpm Ultra ATA/100

communications

P1979A	HP 56K V90 external USB e-modem
P1980A	HP 802.11b USB wireless LAN
P1981A	HP 802.11b wireless LAN small business access point
F2135A	HP 802.11b wireless LAN corporate access point

optical-removable storage

P1977A	HP USB CompactFlash reader
D9510B	HP USB external floppy disk drive
P5093A	HP USB memory key 32 MB

audio and multimedia

P1534A	HP external amplified speakers, 9.6-watt RMS
P1535A	HP multimedia monitor base (audio speaker in CRT base)
P1968A	HP headset with microphone
P1978A	HP external USB Web camera

input devices

C4735B	HP PS/2 Windows keyboard
C4736B	HP PS/2 scrolling mouse
C4766A	HP USB scrolling optical mouse
C4768A	HP USB Internet keyboard

security accessories

D6655C	HP master pass key system kit
D6658B	HP spare master pass key (x1)
F1645A	HP Kensington lock

service and support

warranty

- Three-year next-business-day on-site international hardware warranty
- A full range of flexible warranty options and Supportpacks
- Unique warranty offer: Instant swap support for same-day service (optional). A combination of spare parts and three-year on-site Supportpack; downgrade to one-year on-site available as option.

support

- 24 hours a day, 7 days a week, there is always a way to reach HP support:
 - Web technical support including BIOS and driver updates, white papers, and additional product information
 - HP one-year free hardware diagnostic support (24 hours a day, 7 days a week in U.S.; standard business hours in other regions)
- Three-year next-business-day on-site international hardware warranty option

For more information, go to www.hp.com/go/e-pcsupport and click on Assistance to find the telephone number of the HP Customer Care Center near you.

hp added value services

In an effort to provide customers predictable cost structures and business efficiency gain, HP offers a comprehensive set of services, including HP Consulting, HP Outsourcing, HP Support, HP Education, and HP Finance. To find more information, go to the HP Services Web site at www.hp.com/hps.

¹ Available in selected countries.

PC system features

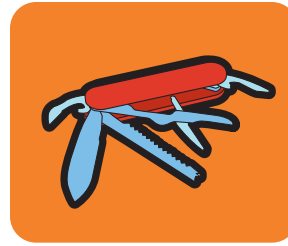
processor	<ul style="list-style-type: none">• Intel Pentium 4 processor: 1.6 GHz, 1.7 GHz, and 1.8 GHz with 256 KB level-2 cache; and Intel Pentium 4 processor: 2.0 GHz and 2.2 GHz and latest frequencies with 512 KB level-2 cache and a 400 MHz front side bus
chipset	<ul style="list-style-type: none">• Intel 845 chipset with SDRAM PC 133 memory support, 400 MHz front side bus, Ultra ATA/100, and 4 USB 1.1 ports
cache	<ul style="list-style-type: none">• 256 KB or 512 KB level-2 integrated
memory	<ul style="list-style-type: none">• 64, 128, 256, or 512 MB 133 MHz Synchronous DRAM (non-ECC) standard (PC 133 specification):<ul style="list-style-type: none">– Expandable to 1 GB through a maximum of two 512 MB SDRAM memory sockets– Auto-detection of memory modules via serial presence detect (SPD)
hard disk drive	<ul style="list-style-type: none">• Choice of hard disk drives:<ul style="list-style-type: none">– 20 GB or 40 GB (5400 rpm or 7200 rpm) or 80 GB (7200 rpm) Ultra ATA/100 hard disk drives. SMART II (self-monitoring analysis and reporting technology)– Expansion available through USB ports
hard disk controller	<ul style="list-style-type: none">• PCI Bus Master Ultra ATA controller:<ul style="list-style-type: none">– Support for Ultra ATA/100, PIO (up to Mode 4), DMA Mode 2, and Ultra DMA Mode
optical storage	<ul style="list-style-type: none">• Choice of:<ul style="list-style-type: none">– HP 24X Max-speed slim IDE CD-ROM drive– HP 8X slim CD-RW drive (DLA and MyCD software from VERITAS included)– HP 8X Max-speed slim IDE DVD-ROM (WinDVD MPEG-2 decoding software from InterVideo included)
package	<ul style="list-style-type: none">• Ultra-small, desk space-saving desktop package• Sealed and secured package with HP locking mechanism• HP Port Control System• Easy hard disk drive replacement• External AC adapter: DC 12V, 7650 mA, DC 19V 2800mA, 100–240 VAC 50/60 Hz (wide range), PFC Japan and Europe
audio subsystem	<ul style="list-style-type: none">• Integrated Analog Devices AD1885 AC '97 CODEC audio• 16-bit stereo audio recording and playback• Full-duplex audio• 92 dB (A-weighted) signal-to-noise ratio (PC-D-A)• External connectors for microphone, stereo input and stereo output for amplified speakers or 32-ohm headphones• Optional headset• Audio drivers, including Microsoft Windows XP Professional, Microsoft Windows XP Home Edition, Microsoft Windows 2000 Professional, Microsoft Windows NT Workstation 4.0, and Microsoft Windows 98 Second Edition are available from the HP desktop PC support Web site at: www.hp.com/go/e-pcsupport
ports	<ul style="list-style-type: none">• One 25-pin parallel port (ECP/EPP bi-directional Centronics supporting IEEE 1284)• One 9-pin serial port (16550 UART)• Two PS/2 connectors for keyboard and mouse (Mini-DIN)• Four Universal Serial Bus (USB) ports for easy reconfiguration, attachment, and hot swapping of external peripherals (two in front software secured, two in rear)• One 15-pin VGA connector on system board• Audio ports (stereo-in, stereo-out, microphone-in)• One RJ-45 Ethernet port (10/100 TX)
port control system	<ul style="list-style-type: none">• The HP e-pc 42 comes with HP Port Control System. Ports and I/Os are secured from unplugging of plugged devices and unwanted devices are prevented from being plugged in at the rear of the system; front USB ports are software-secured by the BIOS (can be disabled); and the HP e-pc 42 comes with HP Lock to allow the system to be locked with a key.
communications	<ul style="list-style-type: none">• Integrated Intel PRO/100 VE Network connection• 10Base-T and 100Base-TX physical layer capabilities• Wake on LAN support: Remote Power On, Remote Power Off, Remote Wake-up

HP PCs use genuine Windows® Operating Systems
www.microsoft.com/piracy/howtotell

PC system features (continued)

keyboard	<ul style="list-style-type: none"> • Choice of: <ul style="list-style-type: none"> – Standard PS/2 keyboard – Internet USB keyboard featuring instant PC sleep and 4 reprogrammable hotkeys – HP Cordless keyboard and mouse kit 		
mouse	<ul style="list-style-type: none"> • Choice of: <ul style="list-style-type: none"> – Standard PS/2 scrolling mouse – USB scrolling optical mouse – HP Cordless keyboard and mouse kit 		
upgradability	<ul style="list-style-type: none"> • BIOS in flash EEPROM for convenient BIOS upgrades • Memory upgradable using SDRAM 133 MHz non-ECC DIMMs 		
hp e-diagtools	<ul style="list-style-type: none"> • Available by pressing F8 after system boot • Pre-boot diagnostic • Full system diagnostics • Online BIOS upgrades • Instant Support tuner preloaded 		
physical characteristics	<ul style="list-style-type: none"> • system <ul style="list-style-type: none"> – dimensions (without keyboard) – weight (without keyboard & display) 	metric 9.5 cm wide x 28 cm deep x 25 cm high (266 cm square footprint) 4.8 kg	non-metric 3.7 in. wide x 11.0 in. deep x 9.8 in. high (40.7 in. square footprint) 10.6 lb
environmental conditions	<ul style="list-style-type: none"> • temperature <ul style="list-style-type: none"> – operating – non-operating • humidity <ul style="list-style-type: none"> – operating – non-operating 	10° to 35°C –40° to 70°C 15% to 80% RH (noncondensing) at 40°C 8% to 85% RH (noncondensing) at 40°C	50° to 95°F –40° to 158°F 15% to 80% RH (noncondensing) at 104°F 8% to 85% RH (noncondensing) at 104°F
electrical characteristics	<ul style="list-style-type: none"> • input voltage <ul style="list-style-type: none"> – power supply: – frequency • power consumption • power availability 	100–240 VAC 50 Hz/60 Hz (wide range) 120 W 145 W	
acoustic emission (sound level)	<ul style="list-style-type: none"> • pressure <ul style="list-style-type: none"> – idle typical LpA • power <ul style="list-style-type: none"> – idle typical LwA 	LpA ≤ 25 dB (A) LwA ≤ 3.2 B (A) (32 dBA)	

hp e-pc 42



flexible

graphics subsystems

video graphics

ATI RAGE 128 Pro on board graphic chip:

- Direct AGP
- Full AGP 2X/AGP 4X support (up to 1 GB/s bandwidth)
- 128-bit 2D engine
- Floating-point 3D setup engine with complete 3D primitive support
- High-quality DVD/MPEG-2 playback with iDCT and motion compensation support
- OpenGL hardware acceleration and DirectX 8 software support
- Integrated triple 8-bit palette 250 MHz RAMDAC with video gamma adjustment
- DDC2B support for Plug-&Play detection of monitor
- 16/10 monitor support
- Support up to 1920x1440
- Twin-cache architecture to maximize texture and pixel throughput

graphics memory

- 16 MB DDR SDRAM video memory

available graphics drivers

- Microsoft Windows XP Professional
- Microsoft Windows XP Home Edition
- Windows 2000 Professional
- Latest drivers are available from HP desktop PC support Web site www.hp.com/go/e-pcsupport

recommended resolution

32 bits: 1024 x 768 at 85 Hz

minimum recommended resolution

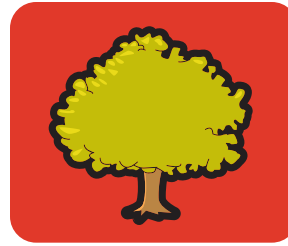
8 bits: 640 x 480 at 60 Hz

maximum recommended resolution

16 bits: 1600 x 1200 at 85 Hz

HP PCs use genuine Windows® Operating Systems
www.microsoft.com/piracy/howtotell

hp e-pc 42



stable

software

operating system

- **HP supported operating systems:**
Microsoft Windows XP Professional, Microsoft Windows XP Home Edition, Microsoft Windows 2000 Professional, Microsoft Windows NT Workstation 4.0, Microsoft Windows 98 Second Edition
- **Other certified operating systems:**
Novell Client certification for Microsoft Windows 2000 Professional; Linux distributions: Red Hat, Turbolinux, SuSE, and Caldera
- More information about the Linux operating system is available on the HP desktop PC Web site:
www.hp.com/desktops/linux

preinstalled software

- **Operating system:**
Microsoft Windows XP Professional¹, Microsoft Windows XP Home Edition, or Microsoft Windows 2000 Professional
- **Applications:**
 - HP Tootools agent
 - HP e-Diagtools hardware diagnostic solution
 - HP Instant Support Tuner
 - WinDVD MPEG-2 decoding software from InterVideo included only with DVD models
 - DLA and MyCD software from VERITAS included only with CD-RW models
 - Every unit includes in the box:
 - HP image creation and recovery CD-ROM (operating system installation and hard disk preparation)
 - HP image library and diagnostics CD-ROM (drivers and utilities installation and diagnostics)

software available from the web

- HP Tootools device manager available at www.hp.com/go/tootools

¹ Microsoft Windows XP Professional models come with Microsoft Windows 2000 Professional as option on a downgrade CD.

HP PCs use genuine Windows® Operating Systems
www.microsoft.com/piracy/howtotell

communication features

Ethernet LAN interface

- Integrated Intel PRO 10/100 VE network connection
- 10Base-T and 100Base-TX physical layer capabilities
- Wake on LAN support: Remote Power On, Remote Power Off, Remote Wake-up

remote booting

- Multiprotocol firmware to enable pre-boot capabilities in a networked environment:
 - Included in the BIOS
 - Enables remote automated installation and pre-operating system desktop management
 - Supports PXE 2.0 and RPL 2.71 protocols
 - Compliant with today's industry standards: Wired for Management (WfM) 2.0, PCI 2.2

available LAN drivers

- Microsoft Windows XP Professional, Microsoft Windows XP Home Edition, and Windows 2000 Professional
- Latest LAN information and drivers available from HP desktop PC support Web site www.hp.com/go/e-pcsupport

HP PCs use genuine Windows® Operating Systems
www.microsoft.com/piracy/howtotell

ergonomics

ergonomic and environmental design

- Video modes supporting non-interlaced resolutions up to 1600 × 1200 at ergonomic refresh rates up to 85 Hz
- EPA ENERGY STAR® certified*
- TÜV-GS Mark
- Energy-saving variable-speed fan for temperature control
- Large selection of MPRII- and EPA ENERGY STAR-certified displays
- CFC-free manufacturing process; single plastic for easy recycling
- HP energy saver
- Optimized desk-space-saving desktop package
- Control panel keeps user aware of PC status:
 - On/Off switch integrated in the surface to avoid accidental power-off
 - On/Off green LED (blinks in sleep mode)
 - Hard disk drive activity LED

* Note: As an ENERGY STAR partner, HP has determined that this product meets the ENERGY STAR guidelines for energy efficiency (on appropriate models).

regulatory compliance and approvals

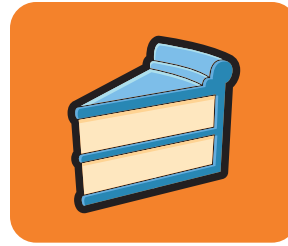
safety approvals

- C-UL 1950 3rd edition listed
- NOM-019-SCFI-1993
- IRAM
- IEC 60950: 1991 +A1 +A2 +A3 +A4
- EN 60950: 1992 +A1 +A2 +A3 +A4 +A11
- Low Voltage Directive 73/23/EEC, both amended by the Directive 93/68/EEC
- TÜV-GS Mark
- PCBC
- GOST
- MITI
- PSB
- IAA
- AS/NZS3260

electromagnetic compatibility

- FCC part 15 class B
- ICES-003/NMB-003 Class B
- EMC Directive 89/336/EEC amended by Directive 93/68/EEC
- CISPR 22: 1997 Class B, EN 55022: 1998
- CISPR 24: 1997 Class B, EN 55024: 1998
- IEC/EN 61000-3-2: 1995 + A14
- VCCI Class B
- BSMI
- RRL
- C-TICK

hp e-pc 42



easy

hp value-added software

stable & easy to deploy

Adapt your standard software image more quickly and less frequently on HP professional line PCs.

image creation and recovery CD-ROM	<ul style="list-style-type: none">• HP professional line PCs come with an image creation and recovery CD-ROM in the box. This CD-ROM allows you to recover your pre-installed software:<ul style="list-style-type: none">– Reload the operating system or change your operating system (from Windows XP to Windows 2000)– Configure the hard disk drive partitions (FAT 16, FAT 32, or NTFS)– Create HP utility partition for HP e-Diagtools re-installation
image library and diagnostics CD-ROM	<ul style="list-style-type: none">• HP professional PCs come with an image library and diagnostics CD-ROM in the box. The HP e-pc 42 can be booted from this CD-ROM in order to run HP e-Diagtools hardware system diagnostics.• The image library and diagnostics CD-ROM also contains HP drivers and system software pre-packaged for unattended install. These packages can be used locally after an operating system installation (e.g., using the image creation and recovery CD-ROM) or distributed with Microsoft scripting tools.<ul style="list-style-type: none">– To get a complete overview on how to use those CD-ROMs to install/re-install your software, go to: www.support.vectra.hp.com/vectrasupport/level4/38vfa182en/38vfa182en.html– For package updates and additional pre-packaged drivers for distribution with Microsoft SMS, go to: www.hp.com/go/vectrasupport and select "HP Image Library" in the "all-models library" section
long lifecycle	<ul style="list-style-type: none">• 9 months minimum but often more than 12 months
image stability	<ul style="list-style-type: none">• Program tightly controls PC hardware revisions, enabling you to create a single software image and avoid changes during the lifecycle of the PC
proactive notification	<ul style="list-style-type: none">• Informs you of the changes by e-mail, letting you decide whether to upgrade your PCs
customer image testing service	<ul style="list-style-type: none">• HP offers a fee-based customer image testing service. The service provides consulting on image build and full image analysis prior to PC deployment. The qualified image is thereafter tested at each hardware roll, providing the customer with customized notification and, if necessary, image patching. <p>More details on HP software stability can be obtained at: www.hp.com/desktops/vectra/stability/ For more information on the customer image testing service, please ask your local HP representative.</p>

stable & easy to deploy (continued)

Rembo auto deploy (software image deployment solution)

- To easily deploy hundreds of HP PCs and laptops simultaneously, HP recommends Rembo Auto Deploy (www.rembo.com). Rembo Auto Deploy is an innovative software deployment solution based on the PXE remote boot industry standard.
- It offers fully automated hard disk software image installation, with the unique capability to dynamically choose the operating system, the business applications, and the end-user data parameters you want to use. HP PCs and laptops installed by Rembo Auto Deploy also benefit from a customized recovery CD-ROM that mirrors their deployed hard disk software image. If your software setup is still manual, too slow, and missing flexibility, Rembo Auto Deploy is your solution of choice.
- HP uniquely provides “HP rapid deployment solution” services based on Rembo Auto Deploy to help you re-engineer your IT process of staging new PCs (HP consulting services) or update your existing installed base of PCs (HP outsourcing selective services).
- HP is actually using Rembo Auto Deploy to deploy the hard disk software images of its 86,000 employees’ PCs worldwide and builds its service proficiency on its own IT experience. Rembo Auto Deploy can also be licensed directly from www.rembo.com. Check out what we have done for others and that we could do for you with Rembo Auto Deploy at: www.hp.com/hpinfo/newsroom/feature_stories/easyeverything.htm

Rembo auto backup

- To instantly back up and restore your HP PC and laptop software, HP recommends Rembo Auto Backup (www.rembo.com). Rembo Auto Backup is a new, innovative, and smart software backup and recovery solution, run locally from a client PC hard disk. Backup operation of PCs can be managed remotely and securely, with incremental backup points and IT control over end-user usage. With Rembo Auto Backup, the complete process of backing up and restoring does not require any manual intervention.
- HP uniquely provides services based on Rembo Auto Backup to help you re-engineer your IT process of supporting and operating new or existing PCs (those services are part of “HP rapid deployment solution”—see bullet 3 above). HP is currently providing the Rembo Auto Backup solution to its 86,000 worldwide employees to use as their standard software recovery method, and to build its service proficiency on its own IT experience. Rembo Auto Backup can also be licensed directly from www.rembo.com. Check out what we have done for others and that we could do for you with Rembo Auto Backup at: www.hp.com/hpinfo/newsroom/feature_stories/easyeverything.htm

PC personality migration solution*

- HP provides services to help customers migrate user data and settings from their current PC to the new PC. At the heart is a powerful industry-standard tool that allows quick and effective migration leading to faster deployment, productivity enhancements, and end-user satisfaction. It is possible to migrate settings across two different Microsoft operating systems and even across two versions of Microsoft Office. All major standard applications are supported, while custom development is used to port customer internal applications. For more details please ask your HP representative.

*Note: U.S. only

hp value-added software

easy to manage

HP professional line PCs with HP Tootools provide the inventory information you need and the most efficient way to decrease desktide visits.

inventory management	Remote and central inventory <ul style="list-style-type: none">• Auto-discovery of devices• Automated collection of inventory• Inventory database which allows for creation of custom queries and reports by device type and group• PC search and selection• Standard reports (including asset location, configuration)• Report of Microsoft Windows 2000 Professional and Windows XP ready PCs (this report includes PCs that match the minimum hardware requirements and are certified)• Access to detailed configuration information• Customizable asset string• Support for larger environments (up to 35,000 nodes per device manager server)
configuration management	Remote boot control <ul style="list-style-type: none">• Scheduled system reboot• Scheduled system power-off• Scheduled system power-on Remote and central system software updates <ul style="list-style-type: none">• HP Tootools agent deployment and update (agent deployment is only available with Windows NT® Workstation 4.0, Windows 2000 Professional, or Windows XP, within the same Windows NT domain)• BIOS update• Drivers update (video, hard disk drive, and LAN card)• Drivers, BIOS, and utilities revision management• Selected HP LaserJet printers installation• Hardware diagnostics deployment and update (HP e-Diagtools) File importing/password administration <ul style="list-style-type: none">• Third-party trap import/configuration• IP/MAC address file importing• Enhanced HP Tootools user password administration
compliance with industry standards	Desktop Management Interface (DMI) <ul style="list-style-type: none">• Provided with HP Tootools agent for Windows 9x and Windows NT Workstation 4.0 models. HP professional line PCs have the most comprehensive DMI implementation in the industry.<ul style="list-style-type: none">– DMI 2.0 compliant– HP DMI instrumentation for PC system information, monitor, LAN cards, security, devices, drivers, BIOS, end-user information, and more– Support for all DMI management applications including Intel LANDesk, McAfee ZAC, and more• HP Tootools can uniquely:<ul style="list-style-type: none">– Power on DMI on HP and non-HP PCs– Read DMI information from HP and non-HP PCs– Report DMI alerts from HP and non-HP PCs Windows Management Interface (WMI) <ul style="list-style-type: none">• Provided with HP Tootools agent for Windows 2000 and Windows XP models. HP professional line PCs have the industry-leading WMI implementation:<ul style="list-style-type: none">– Full WMI instrumentation– Common HP Tootools agent and WMI instrumentation across Vectra, Omnibook, and e-pc 42• First to implement WMI instrumentation for Intel IPsec LAN card adapters, HP Tootools can uniquely:<ul style="list-style-type: none">– Power on WMI on HP and non-HP PCs– Read WMI information from HP and non-HP PCs Wired for Management (WfM) <ul style="list-style-type: none">• HP professional line PCs are WfM 2.0 ready:<ul style="list-style-type: none">– Provide easy remote power-on (RPO/Power on LAN), remote power-off, and remote reboot• HP professional line PCs are PXE 2.0 ready:<ul style="list-style-type: none">– Provide easy Windows 2000 Workstation software deployment with Windows 2000 remote installation service Section 508/Accessibility <ul style="list-style-type: none">• HP Tootools WMI agent is compatible with Windows 2000 Narrator software

HP PCs use genuine Windows® Operating Systems
www.microsoft.com/piracy/howtotell

easy to manage (continued)

performance management/alerts

- Resource bottleneck analysis
- System Performance Advisor
- CPU, memory, and disk I/O performance monitoring and trend analysis for Windows NT Workstation 4.0, Windows 2000, and Windows 98 Second Edition systems
- PC remote control (Symantec pcAnywhere trial version)
- Custom reports and tables
- Enhanced notification actions and action triggers
- Most frequent alerts report
- Enhanced action-on-alerts via e-mail and paging (paging available in US)
- Integration with Instant Support to provide class issues alert and report

hp toptools bridges

- The HP Toptools bridges enable full integration with complementary applications. Bridges are available with the following applications:
 - HP OpenView NNM (Windows NT Workstation 4.0)
 - HP OpenView NNM (HP-UX)
 - HP OpenView NNM (Solaris)
 - Microsoft SMS 2.0/2.01
 - IBM Tivoli NetView (Windows NT Workstation 4.0)
 - IBM Tivoli Enterprise Management (Windows NT Workstation 4.0, HP-UX, Solaris)
 - Computer Associates Unicenter TNG (Windows NT Workstation 4.0)
 - For more information about HP Toptools value pack and HP Toptools bridges, go to: www.hp.com/go/toptools
- More details on HP PCs manageability and HP Toptools can be obtained at: www.hp.com/go/pcmanageability

hp e-pc 42



global

hp value-added software

easy to support

HP professional line PCs are easy to diagnose, troubleshoot, and service, greatly empowering your help desk resources and providing a better user experience.

fault management

Fault diagnostics

- HP e-Diagtools (local and remote)
- On-line video and LAN cards (3Com, Intel, Matrox)

Remote and local alert reporting

- Power-On Self-Test (POST)
- Chassis intrusion detection
- IDE hard disk drive SMART failure warning

Resources monitoring

- CPU
- Memory
- Hard disk drives
- Networking card (requires SNMP services to be installed)

e-diagnostics

HP e-Diagtools hardware diagnostics solution

- Provides preboot diagnostics, system configuration diagnostics, and a complete test suite of the system hardware components
- Some errors found by HP e-Diagtools can be transformed into a sound signal emitted by the pre-boot diagnostic chip and sent over a phone line to your HP support provider for immediate troubleshooting
- Immediate troubleshooting of HP e-Diagtools error codes can also be accessed manually or automatically (through HP virtual call assistant) from www.hp.com/desktops/diagtools
- Test results and system configuration are stored in a support ticket file for further access from your HP support provider, if necessary
- HP e-Diagtools can be remotely launched by HP Tootools device management software (requires HP Tootools agent on your system) or HP Instant Support Web portal, or upon HP support specialist request

ease of setup and servicing

Easy to open, repair, and expand, with built-in intuitiveness

- Features include:
 - Documentation—HP e-pc 42 Quick Start card included
 - Cover—tool-free, intuitive removal
 - System board—direct access to upgradable memory slots
 - Hard disk drive—easy removal, direct access, tool-free removal of hard disk drive cage
 - Color-coded connectors—for simplified PC assembly
- Hassle-free security with HP master pass key system—chassis lock with configurable master setting (optional)
- BIOS stored in flash EEPROM for fast and easy upgrades
- Setup program in flash ROM
- Automatic detection of major components at power-on
- Power-On Self-Test (POST) displays startup errors, suggests solutions
- All models are local area network (LAN) ready for easy integration into the network
- HP e-Diagtools: fast, easy-to-use hardware diagnostics for quick system troubleshooting
- LAN hardware diagnostics

instant support

HP Instant Support automates and speeds the resolution of computing problems, freeing you from time-consuming diagnostic chores and allowing you to focus on more important business activities. Featuring Web-based diagnosis and resolution capabilities, HP Instant Support can be personalized to meet your business needs and deliver the support experience that works for you. For more information, go to: www.hp.com/go/instant-support

More details on HP PCs supportability can be obtained at: www.hp.com/go/pcsupportability

hp value-added software

security ready

HP professional line PCs reduce security risks.

physical security

- Boot Block BIOS Flash hardware protected
- HP physical security to protect PCs from theft:
 - Optional HP master pass key lock (lock must be purchased separately)
 - Kensington lock provision
 - Two BIOS-level passwords
 - Chassis intrusion detection

security management

Remote and central system boot configuration

- Enable/Disable start from hard disk
- Enable/Disable start from floppy disk
- Enable/Disable start from CD-ROM drive
- Enable/Disable start from network drive
- Enable/Disable Remote Power On and Wake on LAN

Remote and central security configuration

- Enable/Disable floppy disk drive
- Enable/Disable writing on floppy disk drive
- Enable/Disable CD-ROM, DVD-ROM, CD-RW drives (requires Windows 2000 Professional or Windows NT Workstation 4.0)
- Enable/Disable serial and parallel ports
- Enable/Disable USB ports

Remote and central security control

- Complete system lock
- System protection (power-on and reset buttons)

Remote and central security management

- Enable/Disable start with keyboard locked
- System administrator and user password change
- Enable/Disable user password on power-on
- System SNMP community password change
- Report of PCs not password-protected

More details on HP PCs security can be obtained at: www.hp.com/go/pcsecurity



Whatever your business need, HP has the monitor for you. Optimized for your HP desktop PCs, HP monitors deliver the performance you need and the quality you expect, at the right price.

www.hp.com/go/monitors

For the latest information on HP professional line e-pcs, visit HP's Web site at: www.hp.com/go/desktops



for more information:

desktop product: Visit www.hp.com/go/desktops

purchase: HP business solutions, products, and supplies can be purchased at your local HP partner (www.hp.com/go/locator), or bought directly from HP at www.buy.hp.com, or 800-613-2222.

finance: HP finance plans provide all the benefits of new technology without the risk or cost of ownership. For details, call toll-free 888-999-HPTF (4783).

accessibility: HP is committed to providing products and services that are accessible to people with disabilities. For more information, please visit www.hp.com/accessibility or call 888-259-5707.

Energy Star is a U.S. registered service mark of the U.S. Environmental Protection Agency. Intel, Pentium, and the Intel Inside logo are U.S. registered trademarks of Intel Corporation. Microsoft, Windows, and Windows NT are U.S. registered trademarks of Microsoft Corporation.

All certifications may not be completed at product introduction. Please check with your HP reseller for certification status.

In a continuing effort to improve the quality of our products, technical and environmental information in this document is subject to change without notice.

© Copyright Hewlett-Packard Company 2002.

04/02

5980-8649ENUC Rev. 2