

HP Citrix-Ready Platforms for Citrix XenClient



Stronger Security,
Simpler
Management,
Faster Technology
Adoption

The recent introduction of Citrix® XenClient™ can help HP customers with a number of complex IT scenarios, as heightened security concerns and rapid operating system (OS) advancements have further complicated client management.

XenClient is a high-performance, bare-metal hypervisor that lets users run multiple instances of operating systems simultaneously, side by side, and in complete isolation. XenClient uses the same core technology as Citrix® XenServer®, and builds on Intel® vPro™ hardware virtualization technology available in several HP Elite desktop and notebook platforms for business. XenClient provides complete isolation between each of the operating systems for maximum protection, but also enables direct access to the graphics hardware to deliver the best possible user experience.

A key issue that HP platforms supporting XenClient can help resolve is protecting the corporate image from end-user corruption caused by inadvertent changes or application installation. XenClient can deliver a fully locked-down corporate image, alongside a completely separate “personal” OS, to give users the same, rich, flexible computing experience they are accustomed to today while securing corporate data and minimizing risk to the business.

With the rapid advancements in OS software over the last several years, many companies have been forced to manage multiple OSes and even more hardware platforms within their environments in order to support specialty or custom applications that were developed on one specific OS platform. With HP and XenClient, customers can now run multiple OSes on a single hardware device, allowing IT to standardize on just one or two chosen devices and a single image across the organization for radically simplified client manageability and improved user experience.

Corporate data protection and user productivity are further improved with the advanced disaster recovery functionality delivered by XenClient. If a device is lost or stolen, the local virtual machines can be disabled by IT, protecting corporate data from falling into the wrong hands. And in the event a client device malfunctions, users can quickly restore their environment and data to any HP system that has XenClient installed.

Future technology adoption can also be streamlined and accelerated as the need for mass hardware upgrades to ensure standardization can be reduced, along with the ability for R&D to run multiple OS environments to more quickly ensure new application compatibility.



Citrix-
Ready
Platforms



HP Compaq 8000/
8100 Elite PCs



HP EliteBook 2530p/
2540p



HP EliteBook 2740p



HP EliteBook 6930p



HP EliteBook 8440p

HP Citrix-Ready Platforms for Citrix XenClient

Supporting Platforms

Specifications

HP Compaq 8000 Elite Business PCs

Form Factor	Ultra-slim Desktop (USDT)	Small Form Factor (SFF)	Convertible Microtower (CMT)
Operating System <small>(Windows 7 will be offered upon general availability from Microsoft)</small>	Pre-installed Genuine Windows Vista Business 32*; Genuine Windows Vista Home Basic 32*; Genuine Windows 7 Professional 32**; Genuine Windows 7 Professional 64**1; Windows XP Professional available through downgrade rights from Genuine Windows 7 Professional**; Genuine Windows 7 Home Premium Edition 32**; Genuine Windows 7 Home Basic Edition 32**; FreeDOS		
Processor & Chipset	Intel® Core 2™ processors ¹ with vPro Technology, ² Intel® Core 2™ Quad, ¹ Intel® Core 2™ Duo, ¹ Intel® Pentium® dual core, ¹ Intel® Celeron® Intel® Q45 Express		
Memory support³	Two (2) SODIMM slots Up to 8 GB DDR3 SDRAM 160 to 250 GB	Four (4) DIMM slots Up to 16 GB DDR3 SDRAM 160 to 1 TB	Four (4) DIMM slots Up to 16 GB DDR3 SDRAM
Hard drive⁴	64 GB Solid State Drive (optional)	64 GB Solid State Drive (optional)	
Removable media	SATA DVD-ROM drive, SATA Drive ^{2,6} SD Card Reader ²	SATA DVD-ROM drive, SATA SuperMulti LightScribe DVD Writer Drive, ^{3,6} Pocket Media Drive ³	
Expansion bays	External: One (1) Slimline Internal: One (1) 2.5-inch	External: One 3.5-inch One 5.25-inch Internal: One 3.5-inch	External: Three (3) 5.25-inch Internal: Three (3) 3.5-inch
Expansion slots	One (1) mini PCIe	One (1) low profile PCI Two (2) low profile PCIe x1 One (1) low profile PCIe x16	Three (3) full height PCI One (1) full height PCIe x1 Two (2) full height PCIe x16
Graphics	Integrated Intel® Graphics Media Accelerator 4500		
Audio/Communications	Realtek ALC261 HD Audio / Intel 82567LM Gigabit Network Connection		
I/O ports and connectors	Front: four (4) USB, microphone, headphone Rear: six (6) USB, PS/2 keyboard and mouse, line in, line out, VGA, DisplayPort, RJ-45 Network, one (1) serial port standard on CMT and SFF		
Input devices	HP PS/2 or USB Standard Keyboard, Washable Keyboard, ⁵ SmartCard Keyboard, ⁵ Mini Keyboard ⁵ HP PS/2 2-button optical scroll mouse or HP USB 2-button laser mouse or HP USB optical scroll mouse		
Power	135W 87% efficient active PFC	240W active PFC 240W 89% efficient active PFC ³	20W active PFC 20W 89% efficient active PFC ³
Dimensions/Weight	66 x 251.5 x 254 mm/ 3.07kg	100 x 338 x 378.5 mm/7.6kg	47.8x177.8x444.5mm/11.15kg
Limited warranty & services	3-3-3 limited warranty delivers on-site, next business-day service for parts and labor and includes free telephone support 24 x 7; other HP Care Pack Services ⁸ available see http://www.hp.com/go/lookuptool .		

HP Compaq 8100 Series Elite PCs

Form Factor	Small Form Factor (SFF)	Convertible Microtower (CMT)
Operating System <small>(Windows 7 will be offered upon general availability from Microsoft)</small>	Pre-installed Genuine Windows Vista Business 32*; Genuine Windows Vista Home Basic 32*; Genuine Windows 7 Professional 32**; Genuine Windows 7 Professional 64**1; Windows XP Professional available through downgrade rights from Genuine Windows 7 Professional**; Genuine Windows 7 Home Premium Edition 32**; Genuine Windows 7 Home Premium Edition 64**1; Genuine Windows 7 Home Basic Edition 32**; FreeDOS	
Chipset & Processor	Intel® Q57 Express supporting Intel® Core™ processors with vPro Technology ² ; Intel® Core™ i7, i5 and i3 processors; ¹ Intel® Pentium processors ¹	
Memory support³	Four (4) DIMM slots; Up to 16 GB DDR3 SDRAM	
Hard drive⁴	160 to 1 TB SATA Hard Disk Drive; 64 GB Solid State Drive	
Removable media	Serial ATA Optical Disc Drives: DVD-ROM, SuperMulti LightScribe DVD Writer, ^{5,6} Blu-ray Writer ^{5,7} HP 22-in-1 Media Card Reader	
Expansion bays	External: One 3.5-inch Internal: One 3.5-inch	External: Three (3) 5.25-inch Internal: Three (3) 3.5-inch
Expansion slots	One (1) low profile PCI One (1) low profile PCIe x1 Two (2) low profile PCIe x16	Three (3) full height PCI One (1) full height PCIe x1 Two (2) full height PCIe x16
Graphics	Integrated Intel Graphics Media Accelerator HD or discrete graphics support NOTE: A discrete graphics card is required when choosing a quad core processor	
Audio/Communications	Realtek ALC261 HD Audio / Intel 82578 GbE Network Connection	
I/O ports and connectors	Front: four (4) USB 2.0, microphone, headphone Rear: six (6) USB 2.0, PS/2 keyboard and mouse, line in, line out, VGA, DisplayPort, RJ-45 Network, serial port	
Input devices	HP PS/2 or USB Standard Keyboard, Washable Keyboard, ⁵ SmartCard Keyboard, ⁵ Mini Keyboard ⁵ HP PS/2 2-button optical scroll mouse or HP USB 2-button laser mouse or HP USB optical scroll mouse	
Power	240W active PFC 240W 89% efficient active PFC ³	320W active PFC 320W 89% efficient active PFC ³
Dimensions/Weight	100 x 338 x 378.5 mm/7.6 kg	447.8 x 177.8 x 444.5 mm /11.15 kg
Limited warranty & services	3-3-3 limited warranty delivers on-site, next business-day service for parts and labor and includes free telephone support 24 x 7; other HP Care Pack Services ⁸ available see http://www.hp.com/go/lookuptool .	

HP EliteBook 2540p Business Notebook

Operating system	Preinstalled Genuine Windows® 7 Professional** Genuine Windows 7 Home Premium** Genuine Windows 7 Home Basic ** available in select countries Genuine Windows Vista Business* Genuine Windows Vista Home Basic* FreeDOS	Supported: Genuine Windows 7 Enterprise** Genuine Windows 7 Ultimate** Genuine Windows Vista Enterprise*
		Certified: SUSE Linux Enterprise Desktop 10
Chipset / Processor	Mobile Intel QM57 Chipset; Intel vPro Technology (optional) ² Intel® Core™ i5 Processor, Dual Core™ (SV) with Turbo Boost Technology ^{1, 12} Intel® Core™ i7 Processor, Dual Core™ (SV) with Turbo Boost Technology; ^{1, 12} Intel® Core i7 Processor, Dual Core (LV) with Turbo Boost Technology; ^{1, 12} (Optical drive, secondary HDD, and weight saver only available with LV processor.)	
Memory	DDR3 SDRAM, 1333 MHz,* two slots supporting dual-channel memory 1024/2048/4096 MB ¹² SODIMMs, up to 8192 MB ³ total *Memory bus runs at a maximum of 1066 MHz.	
Internal Storage	Standard voltage processor configurations: 2.5-inch 250/320/500 GB ⁴ 7200 rpm SMART SATA II HD or 2.5-inch 80/160 GB ⁴ SSD; HP 3D DriveGuard; Low voltage processor configurations: 1.8-inch 160/250/320 GB ⁴ 5400 rpm SMART SATA II HD, or 1.8-inch 80/160 GB ⁴ SSD; HP 3D DriveGuard	
Fixed Optical Bay (Low voltage configurations only)	9.5 mm fixed SATA optical drive: DVD+/-RW SuperMulti DL ¹³ , DVD-ROM Drive 2.5" 250 GB 7200 rpm secondary HDD Weight saver	
Display	12.1-inch diagonal LED-backlit WXGA anti-glare (1280 x 800) with HP DuraCase	
Graphics	Intel® HD Graphics	
Audio/Visual	High Definition Audio, stereo speakers, combo headphone/microphone jack, integrated dual-microphone array, optional integrated 2 MP Webcam with Business Card Reader Software ¹⁴	
Wireless Support	Optional HP un2420 EV-DO/HSPA Mobile Broadband Module (requires mobile network operator service) ^{15, 16} (GPS-enabled) ²⁴ ; Intel Centrino; Intel 802.11 a/b/g/n; ¹⁶ Broadcom 802.11 a/b/g/n, b/g; ¹⁶ HP Integrated Module with Bluetooth ® v2.1 Wireless Technology; HP Wireless Assistant, Connection Manager 3.1	
Communications²¹	Intel Gigabit Ethernet (10/100/1000 NIC), 56K v.92 modem	
Expansion Slots	1 ExpressCard/34 slot, Secure Digital slot (SD/MMC)	
Ports and Connectors	3 USB 2.0 ports (fourth USB available with 2.5-inch hard drive), VGA, DisplayPort, combo headphone/microphone jack, 1394a, power connector, RJ-11/modem, RJ-45/Ethernet, docking connector for HP 2540 Docking Station	
Input Device	Full-sized spill-resistant keyboard with drains, dual pointing devices (touchpad with scroll zone, pointstick), HP DuraKeys ²³ ; optional 2 MP Webcam with Business Card Reader Software ^{14, 19} , touch-sensitive controls	
Software	HP Recovery Manager (Windows 7 and Vista only), HP Support Assistant (Windows 7 and Vista only), Intervideo WinDVD (select models), HP QuickLook 3, ⁹ HP QuickWeb, ¹⁰ Roxio Creator Business 10 (select models), HP Power Assistant ¹¹	
Security	Standard: HP ProtectTools, Integrated Smart Card Reader, TPM Embedded Security Chip 1.2, Enhanced Pre-Boot Security, HP Spare Key (requires initial user setup), HP Disk Sanitizer, ¹⁷ Enhanced Drive Lock, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools; ¹⁷ Optional: ¹⁹ LoJack for HP ProtectTools, ¹⁸ HP Fingerprint Sensor, Kensington Lock, HP Privacy Filter, McAfee Security Solution	
Dimensions	1.10 in (at front) x 11.1 in x 8.4 in / 28 mm (at front) x 282.2 mm x 213.4 mm	
Weight	Starting at 3.38 lb (1.53 kg) without an optical drive (weight will vary by configuration)	
Power	9-cell (93 WHr) Lithium-Ion battery, 6-cell (62 WHr) Lithium-Ion battery, 3-cell (31 WHr) Lithium-Ion battery, HP Long Life 6-cell (55 WHr) or 3-cell (28 WHr) battery, ²² 65W Smart Combo Adapter, ¹⁹ HP Fast Charge ²⁰	
Expansion Solutions¹⁹	HP 2540 Docking Station, External MultiBay II, HP Monitor Stand, HP Adjustable Notebook Stand	
Warranty	Limited 3-year, 1-year and 90-day warranty options available, depending on country, 3-year limited warranty on HP Long Life Batteries ²² . Optional HP Care Pack Services are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool .	

HP EliteBook 2740p Tablet PC

Operating system	Preinstalled: Genuine Windows® 7 Professional** Genuine Windows XP Tablet Edition available through downgrade rights from Windows 7 Professional*** Genuine Windows Vista Business* FreeDOS	Supported: Genuine Windows 7 Home Premium** Genuine Windows Vista Enterprise* Certified: SUSE Linux Enterprise Desktop 10
Processor	Intel® Core™ i7 Mobile Processor Family with Turbo Boost Technology ^{1,12} ; Intel® Core™ i5 Mobile Processor Family with Turbo Boost Technology ^{1,12}	
Chipset	Mobile Intel QM57 Chipset; Intel vPro Technology ² (optional)	
Memory	DDR3 SDRAM, 1066/1333 MHz*, two slots supporting dual-channel memory, 1024/2048/4096 MB SODIMMs, up to 8192 MB total ³ *Running at 1066 MHz	
Internal Storage	1.8-inch bay: 160/250 GB ⁴ 5400 rpm SMART SATA II HD, 320 GB ⁴ 5400 rpm HDD or 80/160 GB ⁴ SSD, HP 3D DriveGuard	
Removable Media	Optional HP External USB CD/DVD R/RW Drive Optional fixed 9.5-mm DVD+/-RW SuperMulti DL Drive available for HP 2740 Ultra-Slim Expansion Base ⁶	
Display	12.1-inch diagonal LED-backlit WXGA ultra wide viewing angle anti-glare (1280 x 800) – digitizer only or digitizer & multi-touch Optional Outdoor View, (Outdoor view only available with digitizer and multi-touch)	
Graphics	Intel® HD Graphics with dynamic frequency	
Audio/Visual	High Definition Audio, stereo speakers, combo headphone/microphone jack, integrated dual-microphone array, integrated 2 MP Webcam ¹⁵	
Wireless Support	Optional HP un2420 EV-DO/HSPA Mobile Broadband Module (requires mobile network operator service) ^{15,16} (GPS-enabled) ²⁴ ; Intel Centrino; Intel 802.11a/b/g/n; ¹⁶ Broadcom 802.11a/b/g/n, b/g; ¹⁶ HP Integrated Module with Bluetooth® v2.1 Wireless Technology; HP Wireless Assistant, Connection Manager 3.1	
Communications²¹	Integrated Intel Gigabit Ethernet PCI Controller (10/100/1000 NIC), 56K v.92 modem	
Expansion Slots	1 ExpressCard/34 slot, Secure Digital slot (SD/MMC)	
Ports and Connectors	3 USB 2.0 ports (one powered), VGA, combo headphone/microphone jack, 1394a, power connector, RJ-11/modem, RJ-45/Ethernet, docking connector for HP 2740 Ultra-Slim Expansion Base	
Input Device	Full-sized spill-resistant keyboard with drains, dual pointing devices (touchpad with scroll zone, pointstick), digital eraser pen, Jog dial, 2 MP Webcam ¹⁵ , touch-sensitive controls, HP DuraKeys ²³	
Software	HP Recovery Manager (Windows 7 and Vista only), HP Support Assistant (Windows 7 and Vista only), Intervideo WinDVD (select models), HP QuickLook 3, ⁹ HP QuickWeb, ¹⁰ Roxio Creator Business 10 (select models), HP Power Assistant, ¹¹ Skype, ¹⁵ WinZip 12	
Security	Standard: HP ProtectTools, Integrated Smart Card Reader, HP Fingerprint Sensor, TPM Embedded Security Chip 1.2, Kensington Lock slot, Enhanced Pre-Boot Security, HP Spare Key (requires initial user setup), HP Disk Sanitizer ¹⁷ Enhanced Drive Lock, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools; ¹⁷ Optional: ¹⁹ LoJack for HP ProtectTools, ¹⁸ McAfee Security Solution	
Dimensions	1.25 in (at front) x 11.42 in x 8.35 in / 31.7 mm (at front) x 290 mm x 212 mm	
Weight	Starting at 3.8 lb (1.72 kg) with no WWAN (weight will vary by configuration)	
Power	HP 6-cell (44 WHr) primary battery, HP Long Life 6-cell (39 WHr) primary battery, optional secondary HP 6-cell (46 WHr) 2700 Ultra-Slim Battery, 65W Smart Combo Adapter, ¹⁹ HP Fast Charge ²⁰	
Expansion Solutions¹⁹	HP 2740 Ultra-Slim Expansion Base, HP USB 2.0 Docking Station, HP Essential USB 2.0 Port Replicator	
Warranty	Limited 3-year, 1-year and 90-day warranty options available, depending on country, 1-year limited warranty on primary battery; 3-year limited warranty on HP Long Life Batteries ²² . Optional HP Care Pack Services are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool .	

HP EliteBook 6930p Notebook PC

Operating system	Preinstalled: Genuine Windows Vista® Business 32* Genuine Windows Vista Home Basic™ Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed*** FreeDOS	Supported: Genuine Windows Vista Business 64 * ¹ Genuine Windows Vista Enterprise* Certified: SuSe Linux Enterprise Desktop 10
Processor¹	Intel® Core 2 Duo processors (up to 2.80 GHz, up to 6 MB L2 cache)	
Chipset	Mobile Intel PM45 Express Chipset with ICHM9-Enhanced, 1066 MHz front side bus (discrete graphics); Mobile Intel GM45 Express Chipset with ICHM9-Enhanced, 1066 MHz front side bus (integrated graphics)	
Memory	DDR2 SDRAM, 800 MHz, two slots supporting dual channel memory, ²⁷ 1024/2048/4096 MB SODIMMs, up to 8192 MB total ³	
Internal Storage⁴	120/160/250 GB 5400 rpm SATA HDD, 160 GB 7200 rpm SATA HDD (with HP 3D DriveGuard)	
Upgrade Bay¹³	Fixed 12.7-mm SATA optical drive or second hard drive: Blu-ray R/RE DVD+/-RW SuperMulti DL, ¹³ DVD+/-RW SuperMulti DL LightScribe, DVD/CD-RW Combo, DVD-ROM; 250 GB 5400 rpm HDD, 160 GB 7200 rpm HDD	
Display	14.1-inch diagonal WXGA (1280 x 800), 14.1-inch diagonal Illumi-Lite LED WXGA (1280 x 800), 14.1-inch diagonal WXGA+ (1440 x 900)	
Graphics^{25, 26}	Discrete: ATI Mobility Radeon™ HD 3450, with 128 or 256 MB of dedicated video memory Integrated: Mobile Intel GMA 4500MHD	
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
Wireless support^{15,16}	Optional HP un2400 EV-DO/HSPA Mobile Broadband Module (requires mobile network operator service); Intel 802.11a/b/g/draft-n, Broadcom 802.11a/b/g/draft-n.; Bluetooth™ 2.0, HP Wireless Assistant	
Communications²¹	Intel Gigabit Network Connection (10/100/1000 NIC), 56K v.92 modem	
Expansion slots	1 ExpressCard/54 slot, Secure Digital slot	
Ports and connectors	3 USB 2.0 ports, VGA, stereo microphone in, stereo headphone/line out, 1394a, power connector, RJ-11/modem, RJ-45/ethernet, docking connector, secondary battery connector	
Input device	Full-sized keyboard, enhanced dual pointing devices (touchpad and pointstick) with scroll zone, 2 MP Webcam ¹⁵ with Business Card Reader Software	
Manageability	HP Recovery Manager (Windows Vista only), HP Client Manager Software, HP Client Configuration Management Agent	
Security	Standard: Integrated Smart Card Reader, HP ProtectTools, TPM 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer ¹⁷ , Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools ¹⁷ ; Optional: Kensington lock, HP Privacy Filter, McAfee Security Solution ¹⁹	
Dimensions	31.3 mm (at front) x 331.0 mm x 243.0 mm	
Weight	Starting at: 2.1 kg (weight will vary by configuration)	
Power	6-cell (55 WHr) Lithium-Ion battery, optional HP (52 WHr) Extended Life Battery, ¹⁹ optional HP (95 WHr) Ultra-Capacity Battery, ¹⁹ 90W HP Smart AC Adapter, HP Fast Charge ²⁰	
Expansion Solutions¹⁹	HP Advanced Docking Station, HP Docking Station, HP Monitor Stand, HP Adjustable Notebook Stand	
Warranty	Limited 3-year warranty, 1-year limited warranty on primary battery. HP Care Pack Services extend service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool .	

HP EliteBook 8440p Notebook PC

Operating system	Preinstalled: Genuine Windows® 7 Professional** Genuine Windows 7 Home Basic 32 (select countries only)** Genuine Windows XP Professional 32 available through downgrade rights from Genuine Windows 7 Professional*** Genuine Windows Vista Business 32* FreeDOS	Supported : Genuine Windows Vista Enterprise * Genuine Windows Vista Business 64* ¹ Genuine Windows XP Professional 64*** ¹ Certified: SUSE Linux Enterprise Desktop 11
Processor	Intel® Core™ i7 Mobile Processor Family with Turbo Boost Technology; ^{1,12} Intel® Core™ i5 Mobile Processor Family with Turbo Boost Technology ^{1,12}	
Chipset	Mobile Intel QM57 Chipset	
Memory	DDR3 SDRAM, 1333 MHz,* two slots supporting dual-channel memory, ²⁷ 1024/2048/4096 MB SODIMMs, up to 8192 MB total ³ *Memory speed is processor dependent	
Internal Storage⁴	250/320/500 GB 7200 rpm SMART SATA II HDD (with HP 3D DriveGuard); or 160/256 GB Solid State Drive	
Upgrade Bay^{6,7}	Fixed 12.7-mm SATA optical drive (Blu-ray R/RE DVD+/-RW SuperMulti DL Drive; DVD+/-RW SuperMulti DL LightScribe Drive; DVD-ROM Drive), secondary hard drive (500 GB 7200 rpm HDD), or weight saver	
Display	14.0-inch diagonal LED-backlit HD7 anti-glare (1366 x 768), 14.0-inch diagonal LED-backlit HD+ ²⁶ anti-glare (1600 x 900)	
Graphics²⁵	Discrete: NVIDIA NVS 3100, with 512 MB dedicated video memory Integrated: Intel Graphics Media Accelerator HD	
Audio/Visual	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array, optional integrated 2 MP Webcam ¹⁵	
Wireless Support	Optional HP un2420 EV-DO/HSPA Mobile Broadband Module (requires mobile network operator service) ^{15,16} , GPS-enabled ²⁴ ; Intel Centrino 802.11a/b/g/n ¹⁶ ; Broadcom 802.11b/g; Bluetooth™ 2.1 ¹⁶ ; HP Wireless Assistant, HP Connection Manager 3.1	
Communications²¹	Intel Gigabit Ethernet (10/100/1000 NIC), 56K v.92 modem	

HP Citrix-Ready Platforms for Citrix XenClient

HP EliteBook 8440p Notebook PC, continued

Ports and Connectors	3 USB 2.0 ports, 1 eSATA /USB 2.0 combo port, VGA, DisplayPort, stereo microphone in, stereo headphone/line out, 1394a, power connector, RJ-11/modem, RJ-45/Ethernet, docking connector, secondary battery connector
Expansion Slots	1 ExpressCard/54 slot, Secure Digital slot
Input Devices	Full-sized keyboard with drains, dual pointing devices (touchpad and pointstick) with scroll zone, optional 2 MP Webcam ¹⁵ with Business Card Reader Software, touch-sensitive controls
Software	HP Recovery Manager (Windows 7 and Vista only), HP QuickLook 3, ⁹ HP QuickWeb, ¹⁰ HP Power Assistant, ¹¹ HP Client Manager Software, HP SkyRoom (90-day trial version) ²⁸
Security	Standard: Integrated Smart Card Reader, HP ProtectTools, TPM Embedded Security Chip 1.2, Enhanced Pre-Boot Security, HP Spare Key (requires initial user setup), HP Disk Sanitizer, ¹⁷ Enhanced Drive Lock, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools; ¹⁷ Optional: ¹⁹ LoJack Pro for HP ProtectTools, ¹⁸ HP Fingerprint Sensor, Smart Kensington Lock slot, HP Privacy Filter, McAfee Security Solution
Dimensions	31.3 mm (at front) x 335.6 mm x 236.2 mm
Weight	Starting at 4.8 lb / 2.19 kg with weight saver; Starting at 5.2 lb / 2.34 kg with DVD+/-RW Drive (weight will vary by configuration)
Power	9-cell (100 WHr) Lithium-Ion battery, 6-cell (55 WHr) Lithium-Ion battery, optional HP Long Life Battery, ¹⁹ optional HP (52 WHr) Extended Life Battery, ¹⁹ optional HP (95 WHr) Ultra-Capacity Battery, ^{19,22} 90W HP Smart AC Adapter (models with discrete graphics), 65W HP Smart AC Adapter (models with integrated graphics), HP Fast Charge ²⁰
Expansion Solutions¹⁹	HP 90W Docking Station, HP 120W Advanced Docking Station, HP USB 2.0 Docking Station, HP Essential USB 2.0 Port Replicator, HP Adjustable Notebook Stand, HP Dual-Monitor Stand, HP Monitor Stand
Warranty	Limited 3-year, 1-year and 90-day warranty options available, depending on country, 1-year limited warranty on primary battery or 3-year warranty on HP Long Life Battery. ²² Optional HP Care Pack Services are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool .

For more information

HP Business Desktops – www.hp.com

Citrix XenClient – www.citrix.com/xenclient

*Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and www.microsoft.com/windowsvista/getready/capable.mspx for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit www.windowsvista.com/upgradeadvisor. **This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details. *** Windows® XP Professional is preinstalled on this system and includes end user rights and media for Windows 7 Professional. You may only use one version at a time. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data. 1. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64architecture. Processors will not operate (including 32-bit operation) without an Intel64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See www.intel.com/info/em64t for more information. Dual/Quad Core is designed to improve performance of certain software products. Not all customers will necessarily benefit from the use of this technology. Intel's numbering is not a measurement of higher performance. 2. vPro Technology - Some functionality of this technology, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Compatibility with future "virtual appliances" and Microsoft Windows 7 operating system is yet to be determined. 3. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements. Dual Channel is only supported when the system is configured with DDR3 symmetric memory (i.e. 2 x2GB). 4. For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8GB (for XP and XP Pro), up to 10 GB (for Vista) and up to 16 GB (for Windows 7) of disk space is reserved for the system recovery software. 5. Optional feature sold separately or as an add on feature. 6. Don't copy copyright-protected materials. Actual speeds may vary. Double layer is a new technology. Double layer media compatibility will widely vary with some home DVD players and DVD-ROM drives. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 Double Sided-Version 1 Media. LightScribe creates a monochrome image. LightScribe media required and sold separately. 7. Blu-Ray is a new format containing new technologies; certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this PC. 8. Service levels and response times for HP Care Packs may vary depending on geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. For details, visit www.hp.com/go/carepack. 9. HP QuickLook 3 is accessible when the notebook is off in Windows XP, Windows Vista or Windows 7-based systems; not supported from hibernation. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use. 10. HP QuickWeb is accessible when the notebook is off in Windows XP, Windows Vista or Windows 7-based systems; not supported from hibernation. Internet access required. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use. 11. Power calculations and cost calculations are estimates. Results will vary based on variables, which include information provided by the user, time PC is in different power states (on, standby, hibernate, off), time PC is on battery or AC, hardware configuration, variable electricity rates and utilities provider. HP advises customers to use information reported by HP Power Assistant for reference only and to validate impact in their environment. Environmental calculations were based on U.S. EPA eGrid 2007 data found at www.epa.gov/egrid/. Regional results will vary. 12. Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information. 13. Double-layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. LightScribe media required and sold separately. LightScribe creates a monochrome image. Note that DVD-RAM cannot read or write to 2.6GB single-sided/5.2 GB double-sided - version 1.0 media. Don't copy copyright protected materials. 14. Requires separately purchased Internet service. 15. Broadband wireless technology requires separately purchased wireless data service contracts. Check with local service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 16. Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited. 17. For the use cases outlined in the DOD 5220.22-M Supplement. 18. The LoJack agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging from one to four years. Service is limited, check with Absolute for availability outside the U.S. 19. Sold separately or purchased as an optional feature. 20. HP Fast Charge recharges your primary battery up to 90% within 90 minutes when the system is off. 21. The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. 22. 3 year limited warranty or 1000 cycles. Battery cycles are the total number of full charge/discharge cycles a battery yields before it can no longer hold a useful amount of charge. See <http://www.hp.com/go/longbattery>. 23. In independent testing conducted by Trace Laboratories, HP DuraKeys showed no wear after 250,000 cycles. Competitor notebooks showed significant wear after only 5,000 cycles. 24. GPS access requires an unobstructed path to multiple satellites. Performance may be affected if/when used inside of buildings, bridges or heavily congested metropolitan areas. Requires separately purchased GPS navigation software available from multiple GPS applications. 25. Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by programs. 26. HD content required to view HD images. 27. Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots. 28. HP SkyRoom supported on p-series with a trial version with online purchase/activation.

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