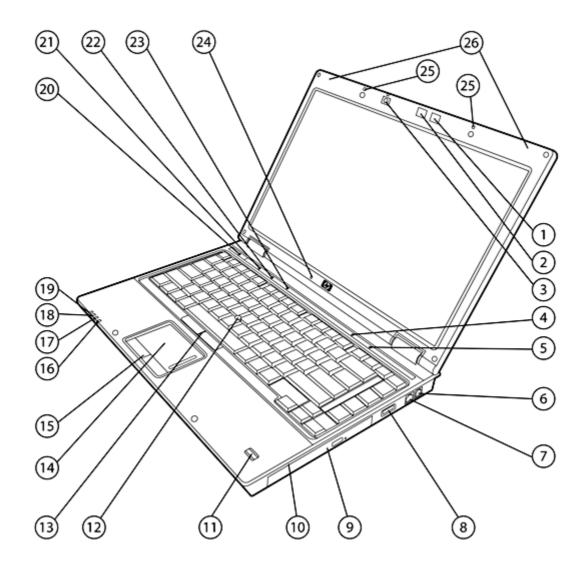
Overview

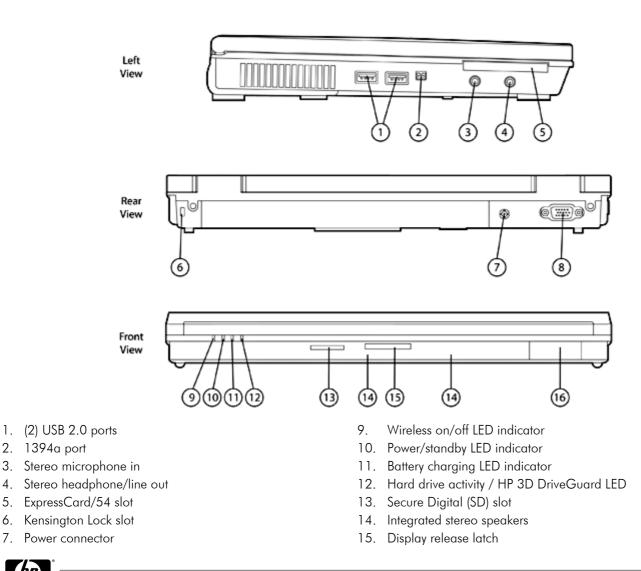




Overview

- 1. HP NightLight on/off button
- 2. HP NightLight
- 3. Optional 2 MP Webcam
- 4. Volume mute button with LED indicator
- 5. Volume scroll zone with up/down LED indicators
- 6. RJ-11/modem port
- 7. RJ-45/Ethernet port
- 8. USB 2.0 port
- 9. Upgrade Bay (optical drive, second hard drive)
- 10. Integrated Smart Card Reader
- 11. HP Fingerprint Sensor
- 12. Pointstick
- 13. Pointstick buttons

- 14. Touchpad with scroll zone
- 15. Touchpad buttons
- 16. Hard drive activity / HP 3D DriveGuard LED indicator
- 17. Battery charging LED indicator
- 18. Power/standby LED indicator
- 19 Wireless on/off LED indicator
- 20. Power button with LED indicator
- 21. HP Info / HP QuickLook 2 button with LED indicator
- 22. Wireless on/off button with LED indicator
- 23. HP Presentation button with LED indicator
- 24. Ambient Light Sensor
- 25. Dual-microphone array
- 26. WLAN and WWAN antennas





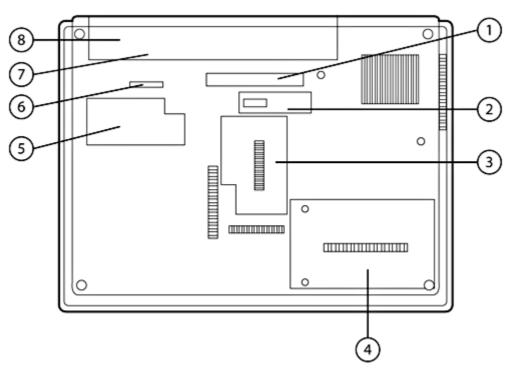
5.

6.

7.

Overview

- 8. VGA connector (external monitor/projector)
- 16. Bluetooth module compartment



Bottom View

- 1. Docking connector
- 2. Secondary battery connector
- 3. Memory module compartment
- 4. Hard drive bay

- 5. WWAN module compartment
 - 6. Battery release latch
 - 7. SIM slot for WWAN (select models) inside battery bay
 - 8. Battery bay

NOTE: WLAN module connector is located under the keyboard (not shown)



Overview

At A Glance

- Genuine Windows 7 Professional 32, Genuine Windows 7 Home Premium 32, Genuine Windows 7 Home Basic 32, Genuine Windows Vista Business 32, Genuine Windows Vista Home Basic 32, Genuine Windows XP Professional available through downgrade rights from Windows Vista Business, or FreeDOS
- Business Rugged designed to meet the military standard Mil-Std-810F for dust, altitude, and high temperature operation*
- ATI Mobility Radeon[™] HD 3450 graphics with 128 or 256 MB dedicated memory or Mobile Intel GMA 4500MHD graphics
- Flexible wireless connectivity options:
 - O Integrated HP un2400 EV-DO/HSDPA Mobile Broadband Module provides worldwide Gobi mobile Internet technology
 O Integrated 802.11 a/b/g/n draft 2.0 or a/b/g wireless LAN module
 - O Bluetooth® 2.0
- Intel® Centrino® 2 with vPro[™] technology capable, with Intel Core[™]2 Duo processors
- Optional HP Illumi-Lite LED 14.1-inch diagonal widescreen display with Ambient Light Sensor and optional HP Privacy Filter
- Upgrade Bay for easy optical drive upgrade or optional second hard drive for RAID 1 Mirroring or RAID 0 Striping
- Enhanced security features including integrated Smart Card Reader, HP ProtectTools, HP SpareKey, HP Fingerprint Sensor, TPM 1.2 Embedded Security Chip**
- 2 MP Webcam with Business Card Reader Software, HP Night Light
- HP QuickLook 2 for instant access to email, calendar, and contact information
- Enhanced reliability with HP DuraCase, HP DuraKeys and HP DuraFinish
- Up to 8 GB of 800 MHz DDR2 SDRAM supported, dual channel memory support
- Up to 320 GB 7200 rpm user-removable hard drive with HP 3D DriveGuard protection, or 128 GB Solid State Drive
- Integrated Intel Gigabit Network Connection (10/100/1000 NIC)
- Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
- ExpressCard/54 slot, Secure Digital (SD) slot
- Designed for common image for corporate environments

* Testing was not intended to demonstrate fitness for DOD contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions.

** TPM module disabled where not permitted by law (for example, Russia and China).



Standard Features

Intel Core 2 Duo Proce Intel Core 2 Duo Proce * Intel's numbering is n	essor T9900 (3.06 GHz, 6 MB L2 cache, 1066 MHz FSB)* essor T9600 (2.80 GHz, 6 MB L2 cache, 1066 MHz FSB)* essor T9400 (2.53 GHz, 6 MB L2 cache, 1066 MHz FSB)* essor P8800 (2.66 GHz, 3 MB L2 Cache, 1066 MHz FSB)* essor P8700 (2.53 GHz, 3 MB L2 Cache, 1066 MHz FSB)* essor P8600 (2.40 GHz, 3 MB L2 cache, 1066 MHz FSB)* essor P8400 (2.26 GHz, 3 MB L2 cache, 1066 MHz FSB)* not a measurement of higher performance. ed denotes maximum performance mode; processors will run at lower speeds in ode.	
Preinstalled	Genuine Windows 7 Professional 32* Genuine Windows 7 Home Premium 32* Genuine Windows 7 Home Basic 32* Genuine Windows Vista Business 32** Genuine Windows Vista Home Basic 32** Genuine Windows XP Professional available through downgrade rights from Windows Vista Busines**† FreeDOS	
Supported	Genuine Windows Vista Business 64** Genuine Windows Vista Enterprise**	
Certified	SuSE Linux Enterprise Desktop 10	
* 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.		
** Certain Windows Vista product features require advanced or additional hardware. See: http://www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and: http://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: http://www.windowsvista.com/upgradeadvisor. † Windows XP Professional is preinstalled on this system and includes end user rights and media for		
Windows Vista Business. 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.		
discrete graphics)	ress Chipset with ICHM9-Enhanced, 1066 MHz front side bus (models with	
Mobile Intel GM45 Express Chipset with ICHM9-Enhanced, 1066 MHz front side bus (models with integrated graphics)		
	Intel Core 2 Duo Proce Intel Core 2 Duo Proce * Intel's numbering is r NOTE: Processor spee battery optimization m Preinstalled * System may require of Windows 7 software a http://www.microsoft.c ** Certain Windows Vi http://www.microsoft.c Advisor can help you of download the tool, vis † Windows XP Professio Windows Vista Busines photos, etc.) before un Mobile Intel PM45 Exp discrete graphics) or Mobile Intel GM45 Exp	



Standard Features

Intel Centrino 2 with vPro technology capable	Intel Centrino 2 with vPro technology is a selectable feature that is available on units configured with an Intel WiFi Link 5300 or 5100. It provides advances in remote manageability, security, energy efficient performance, and wireless connectivity. Intel Active Management Technology (AMT) offers built-in manageability and proactive security for networked notebook PCs, even when they are powered off* or when the operating system is inoperable. It can help identify threats before they reach the operating system, isolate infected systems, and update PCs regardless of their power state. NOTE: Some functionality of Intel Centrino 2 with vPro 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 Centrino 2 with vPro technology is		
	dependant on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.		
Business Rugged	Meets the military standard Mil-Std-810F* for:		
	 Drop: Method 516.5 Proc. IV (26 drops from 30") Shock: Method 515.5 Proc. I (Functional) Vibration: Method 514.5, Proc I, Cat. 20 & 24 High Temperature: Method 501.4, Proc I & II (140°F/60°C operational) Low Temperature: Method 502.4, Proc I & II (-20°F/-29°C operational) Sand and Dust: Method 510.4, Proc. I (Blowing Dust) Humidity: Method 507.4 (95% relative humidity) Altitude: Method 500.4 Low Pressure, Proc. I & II (15,000 feet operational) 		
	* Testing was not intended to demonstrate fitness for DOD contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions.		
Graphics	Models with discrete graphics: ATI Mobility Radeon HD 3450 with 128 MB or 256 MB dedicated video memory Microsoft DirectX 10.1 (Shader 4.1) and OpenGL 2.1 capable		
	Models with integrated graphics: Mobile Intel Graphics Media Accelerator 4500MHD Microsoft DirectX 10 (Shader 4.0) and OpenGL 2.0 capable		



Standard Features	;		
Display	Internal	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution) 14.1-inch diagonal Illumi-Lite LED WXGA anti-glare (1280 x 800 resolution) 14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution) Ambient Light Sensor Optional HP Privacy Filter	
	External	Up to 32-bit per pixel color depth VGA port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz DVI-D (single link) video signal available through DVI port in optional HP Docking Station (sold separately); supports resolutions up to 1600 x 1200 at both full and reduced blanking, and 1920 x 1200 at reduced blanking Supports 2 external displays (optional HP Docking Station required) NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.	
Memory	Standard	800 MHz DDR2 SDRAM; two slots supporting dual channel memory 1024 MB, 2048 MB, 4096 MB, or 8192 MB	
	Maximum	Upgradeable to 8192 MB with 4096 MB SODIMMs in slots 1 and 2	
	Dual-channel	Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.	
	NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed. Availability of 4 GB or more of memory requires Windows Vista Business 64-bit or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.		
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC)* 56K V.92 modem**		
	* 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/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.		
		loads from 56K modem compliant sources. Maximum achievable download rently do not reach 56 KB/s, and will vary with line conditions. Modem availability egulatory approval.	



Standard Features

Wireless Devices

Support for a broad range of secure, integrated wireless LAN and wireless WAN options featuring support for the latest industry standards. Wireless LAN is factory configurable or available as an option to be added later. Broadband Wireless (WWAN) requires Windows Vista Business or Windows XP Professional and is available in select countries as a standard, factory configurable feature or as an option to be added later. Integrated Bluetooth is also available (factory configurable only) and can be combined with any of the supported wireless LAN and wireless WAN options.

combined whit drif of me e	
HP un2400 EV-DO/HSPA Mobile Broadband Module	Integrated WWAN module with Gobi global mobile Internet technology that provides worldwide connection to both CDMA (EVDO) and UMTS (HSPA) wireless networks. NOTE: Separately purchased mobile network operator service is required. Two 850/900/1800/1900/2100 MHz antennas integrated in the top of the display panel support current and future WWAN technologies.
All 802.11 integrated wireless LAN options	Wi-Fi CERTIFIED* Cisco Compatible Extensions support Wired Equivalent Privacy (WEP) support up to 128-bit keys Wi-Fi Protected Access (WPA) and WPA2 support 802.1x authentication support, including EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, and LEAP Advanced Encryption Standard (AES) support Three antennas integrated in the display enclosure
Intel WiFi Link 5300	Integrated support for 802.11a, b, g, and n draft 2.0* Up to 450 mbps data rate
Broadcom 4322AGN 802.11a/b/g/draft-n Wi- Fi Adapter	Integrated support for 802.11a, b, g, and n draft 2.0* Up to 300 mbps data rate
HP Integrated Module with Bluetooth Wireless Technology	Bluetooth Specification v2.0 compliant Works with a wide range of Bluetooth devices
specifications differ from th	2.11n draft 2.0 are draft specifications and are not final. If the final e draft specifications, it may affect the ability of the notebook to communicate devices. In countries where n draft 2.0 is not allowed, this capability is not g only).

Keyboard

The 101/102-key compatible keyboard features an industry standard, full-pitch key layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. US and International key layouts are available. Other features include an integrated numeric keypad, hotkeys for instant access to power conservation, brightness, and other features, 19 x 19 mm key pitch (center-to-center spacing), 2.5 mm stroke, and comfort-dished keycaps.

HP DuraKeys is a clear coating applied over the notebook keyboard that helps protect the finish and the printed characters on the keys. HP DuraFinish helps protect the finish on the keyboard deck, graphics, and icons from normal wear and tear.

HP Night Light shines directly on the keyboard for low-light conditions.



Standard Features Touch-sensitive controls	Touch-sensitive controls provide easy access to the following features: HP Info Center, HP QuickLook 2 wireless on/off, HP Presentation button, external volume up, volume down, and mute			
Pointing device	Enhanced dual pointing d Touchpad with scroll zone and Pointstick, two pick button	e, two pick buttons		
Expansion card slots	ExpressCard/54 slot	Supports ExpressCard/54 and ExpressCard/34		
	Integrated Smart Card Reader	PC/SC interface suppor	316 compliant Smart Cards t	
	Secure Digital slot	Supports SD (Secure Dig	gital), MMC (MultiMedia Card)	
Storage	Internal Storage Device	120/160/250 GB 5400 rpm SMART SATA II Hard Drive 160/250/320 GB 7200 rpm SMART SATA II Hard Drive 128 GB Solid State Drive 80 GB Solid State Drive		
	NOTE: Hard drives are customer removable and will withstand multiple insertion/removal cycles. Up to 10 GB is reserved for the system recovery software.			
	HP 3D DriveGuard	transmission of shock a motion detection with ir during normal use from	red directly to the notebook frame, reducing the way from the hard drive. Uses three-axis digital ntelligent sensitivity to help protect the hard drive shock and vibration. The digital accelerometer a transfer and parks the hard drive when abrupt	
	Upgrade Bay	Fixed 12.7 mm SATA optical drive	Blu-ray R/RE DVD+/-RW SuperMulti DL Drive DVD+/-RW SuperMulti DL LightScribe Drive DVD/CD-RW Combo Drive DVD-ROM Drive	
		or		
		Second hard drive*	250 GB 5400 rpm SMART SATA II Hard Drive 160 GB 7200 rpm SMART SATA II Hard Drive	
		* For RAID configuratio	ns, both hard drive capacities must be equal.	



Standard Features

Interfaces	ExpressCard/54 slot	One
	Smart Card Reader	One
	External monitor	One (VGA)
	1394a	One
	Stereo microphone in	One
	Stereo headphone/line	One
	out	
	Power connector	One
	RJ-11/modem	One
	RJ-45/Ethernet	One
	USB 2.0	Three
	Docking connector	One
	Secondary battery	One
	connector	
	LED status indicators	Fifteen

Audio/Visual

High Definition Audio support w/24-bit DAC Integrated stereo speakers Integrated dual-microphone array Touch-sensitive controls for volume up, volume down, and mute Stereo headphone/line out Stereo microphone in

Optional 2 MP Webcam with Business Card Reader Software

- Supports videoconferencing and still image capture
- Large image sensor for excellent color matching and good low light sensitivity
- Up to 30 frames/sec
- AutoMacro focus lens
- Video capture at VGA, 1.3 Mpixel, and 2 Mpixel resolutions
- 16-bit true color (camera sensors output YCrCb format among others)



Standard Features		
Software		HP Recovery Manager (Vista only) HP Help and Support Center HP QuickLook 2 HP Universal Print Driver HP ProtectTools Security Manager: BIOS Configuration for HP ProtectTools Credential Manager for HP ProtectTools Device Access Manager for HP ProtectTools Drive Encryption for HP ProtectTools Embedded Security for HP ProtectTools HP Quick Launch Buttons HP Wireless Assistant Microsoft Office Ready with 60-day Office Professional 2007 Trial Edition (select models) PDF Complete Special Edition Intervideo WinDVD – DVD Player Roxio Creator Business (for optional DVD+/-RW and DVD/CD-RW drives) McAfee Total Protection* Synaptics Touchpad Driver Microsoft Windows Live Messenger (select models) HP Webcam Software (select models)
	Additional software available from the web	HP SoftPaq Download Manager HP Client Manager Software HP Client Management Solutions Java Card Security for HP ProtectTools
		AcAfee Total Protection for Small Business software. Internet access required to ate included. Subscription required for updates thereafter.
HP Recovery Manager (Vista only)	factory preinstalled image	HP Recovery Manager. HP Recovery Manager enables fast recovery of the if the system becomes corrupted or if important system files are accidentally he hard drive is reserved for the system recovery software.
SMBIOS Version 2.4	System Management BIOS information.	S, previously known as DMI BIOS, is used to store system management



Standard Features

 HP ProtectTools Security Manager is the security platform for business notebooks and desktops. The HP ProtectTools Security Manager is an extensible client security console that delivers enhanced security capabilities through add-on software modules. Modules currently available are: BIOS Configuration for HP ProtectTools Credential Manager for HP ProtectTools Device Access Manager for HP ProtectTools Drive Encryption for HP ProtectTools File Sanitizer for HP ProtectTools Set-up Wizard for HP ProtectTools (Chat & Sign) Embedded Security for HP ProtectTools Java Card Security for HP ProtectTools 		
Standard Features	Enhanced Pre-Boot Sea HP SpareKey One-Step Logon HP Fingerprint Sensor Integrated Smart Card Configuration Control Memory Change Alert Ownership Tag Setup Password Power-On Password TPM 1.2 Embedded Sea TPM Enhanced DriveLo HP Disk Sanitizer HP 3D DriveGuard Kensington Lock Slot Support for Computrad	curity Reader Hardware
Optional Features	HP Privacy Filter	Narrows viewing area so that screen data is visible only to persons directly in front of the monitor
	ProtectTools Security M capabilities through ad BIOS Configurat Credential Mana Device Access M Drive Encryption File Sanitizer for Set-up Wizard fo Privacy Manager Embedded Secur Java Card Secur Standard Features Standard Features * TPM module disabled For more information of External 90-watt Smart	ProtectTools Security Manager is an extensible clier capabilities through add-on software modules. Model• BIOS Configuration for HP ProtectTools• Credential Manager for HP ProtectTools• Device Access Manager for HP ProtectTools• Drive Encryption for HP ProtectTools• File Sanitizer for HP ProtectTools• Set-up Wizard for HP ProtectTools• Privacy Manager for HP ProtectTools• Embedded Security for HP ProtectTools• Java Card Security for HP ProtectTools SecuritEnhanced Pre-Boot SecHP SpareKey One-Step LogonHP Fingerprint Sensor Integrated Smart Card Ownership Tag Setup Password Power-On Password TPM 1.2 Embedded Sec TPM Enhanced DriveLod HP Disk Sanitizer HP 3D DriveGuard Kensington Lock Slot Support for Computato separately)



HP EliteBook 6930p Notebook PC

Standard Features					
Battery	Primary battery	6-cell (55 WHr) Li-Ion battery			
	Optional HP Extended Life Battery	8-cell (52 WHr) high capacity Li-lo	n battery		
	Optional HP Ultra- Capacity Battery	12-cell (95 WHr) high capacity Li-Ion battery			
Battery Life		graphics and CCFL display graphics and Illumi-Light	6-cell Primary with integrated graphics and Illumi-Light LED displa and Intel 80 GB Solid State Drive		
	Primary battery	Up to 6 hours and 15 minutes	Up to 8 hours and 45 minutes		
	Primary battery and optional HP Extended Life Battery	Up to 13 hours	Up to 17 hours and 30 minutes		
	Primary battery and optional HP Ultra- Capacity Battery	Up to 17 hours and 15 minutes	Up to 24 hours		
	Professional. Battery life will loaded on the product, pow	wer management settings of the pro-	dels running Microsoft Windows XP nfiguration, product model, applications duct, and the product features used by the attery will decrease with time and usage.		
System Standby Time	Up to 1 week	, , ,	,		
Power Conservation	Supports enhanced Intel SpeedStep technology with Intel Core 2 Duo (allows Battery Optimized Mode, Maximum Performance Mode, or Automatic mode)				
	Intel Display Power Saving technology (models with integrated graphics) ATI PowerPlay technology (models with discrete graphics)				
	Hibernation				
	Standby				
	ACPI compliance				
Docking and Stands	HP Advanced Docking Station HP Docking Station HP Standard Monitor Stand HP Adjustable Notebook Stand HP External MultiBay II				
	HP's shared docking solutic Features include Gigabit N 2.0 ports, integrated securi	IIC pass through, modem pass throu ity mechanism*, integrated MultiBay	port replication and cable management. Jigh, legacy parallel and serial ports, USB II and ExpressCard** slots. These docking atforms enabling a lower total cost of		
	* HP/Kensington Cable Loo ** HP Advanced Docking S	ck required (purchased separately) Station only			



Standard Features Service and Support HP Services offers limited 3-year warranty; 1-year limited warranty on primary battery. On-site service and warranty upgrades are also available. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack. NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details. http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp. Select Model(s) HP's Global Product Offer includes Global Series Preconfigured (GS-P) and Configurable (GS-C)

HP's Global Product Otter includes Global Series Precontigured (GS-P) and Contigurable (GS-C) products. GPO delivers globally consistent products, services, and solutions with End-of-Life (EOL) transition management. These products reduce IT complexity, lower management costs, increase productivity, and simplify product transitions.

6930p FL488AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor T8600 (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Enabled
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 5400rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution)
	Graphics	Mobile Intel® GMA X4500 HD, with up to 384 MB of shared system memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	. .	i is not a measurement of higher performance. where use is restricted by law; for example, Russia and China.

Standard Features

6930p FL490AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor T9400* (2.53 GHz, 1066 MHz FSB, 6 MB L2 cache)	
	Intel Centrino with vPro technology	Enabled	
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)	
	System Memory	2048MB 800MHz DDR2 (1 DIMM)	
	Hard Drive	250GB 5400rpm SATA Hard Drive	
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software	
	Graphics	Mobile Intel® GMA X4500 HD, with up to 384 MB of shared system memory	
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem	
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0	
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
	Battery	6-cell (55 WHr) Lithium-Ion battery	
	Power	External 90W adapter	
	Warranty	3/3/0	
	* Intel's numbering system is not a measurement of higher performance.		

6930p FL492AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor T8600 (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Enabled
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 5400rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution)
	Graphics	ATI Mobility Radeon™ HD 3450 with 128 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0



Standard Features

Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intella numbering austam	is not a magnurament of higher porformance	

* Intel's numbering system is not a measurement of higher performance.

** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p FL494AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor T9400* (2.53 GHz, 1066 MHz FSB, 6 MB L2 cache)
	Intel Centrino with vPro technology	Enabled
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	* Intel's numbering system	is not a measurement of higher performance.



Standard Features

6930p

KS081UT#ABA Smart Buy

Processor	Intel® Core™2 Duo Processor T8400* (2.26 GHz, 1066 MHz FSB, 3MB L2 cache)	
Intel Centrino with vPro technology	Not Enabled	
Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)	
System Memory	2048MB 800MHz DDR2 (1 DIMM)	
Hard Drive	160GB 5400rpm SATA Hard Drive	
Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution); 2 MP Webcam with Business Card Reader Software	
Graphics	Mobile Intel® GMA X4500 HD, with up to 384 MB of shared system memory	
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem	
Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0	
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intel's numbering system	is not a measurement of higher performance.	



Standard Features

6930p

KS082UT#ABA Smart Buy

Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)	
Intel Centrino with vPro technology	Not Enabled	
Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)	
System Memory	2048MB 800MHz DDR2 (1 DIMM)	
Hard Drive	160GB 5400rpm SATA Hard Drive	
Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution); 2 MP Webcam with Business Card Reader Software	
Graphics	ATI Mobility Radeon™ HD 3450 with 128 MB of dedicated video memory	
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem	
Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0	
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
	External 90W adapter	
Power		

* Intel's numbering system is not a measurement of higher performance. ** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p KS083UT#ABA Smart Buy	Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Not Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 5400rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 128 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem



Standard Features

Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0; HP Mobile Broadband (powered by Gobi)	
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intel's numbering system is not a measurement of higher performance		

Intel's numbering system is not a measurement of higher performance.

** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p KS084UT#ABA Smart Buy	Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Not Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	* Intel's numbering system	is not a measurement of higher performance.



Standard Features

6930p

KS085UT#ABA Smart Buy

Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
Intel Centrino with vPro technology	Not Enabled
Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
System Memory	4096MB 800MHz DDR2 (2 DIMM)
Hard Drive	160GB 7200rpm SATA Hard Drive
Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software
Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
Battery	6-cell (55 WHr) Lithium-Ion battery
Power	External 90W adapter
Warranty	3/3/0
* Intel's numbering system is not a measurement of higher performance.	

6930p KS086UA#ABA Regional	Processor	Intel® Core™2 Duo Processor T9400* (2.53 GHz, 1066 MHz FSB, 6MB L2 cache)
	Intel Centrino with vPro technology	Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	4096MB 800MHz DDR2 (2 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem



Standard Features

Integrated Wireless Integrated Security	Intel® WiFi Link 5300; Bluetooth 2.0 Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
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* Intel's numbering system is not a measurement of higher performance.

** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p KS087UA#ABA Regional	Processor	Intel® Core™2 Duo Processor T9400* (2.53 GHz, 1066 MHz FSB, 6MB L2 cache)
	Intel Centrino with vPro technology	Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	4096MB 800MHz DDR2 (2 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0; HP Mobile Broadband (powered by Gobi)
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	* Intel's numbering system	is not a measurement of higher performance.

6930p

KS008UA#ABA Regional

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Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)	
Intel Centrino with vPro technology	Enabled	
Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)	
System Memory	2048MB 800MHz DDR2 (1 DIMM)	
Hard Drive	160GB 7200rpm SATA Hard Drive	
Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software	
Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory	
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem	
Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0; HP Mobile Broadband (powered by Gobi)	
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intel's numbering system	n is not a measurement of higher performance.	



Standard Features

6930p

KS007UA#ABA Regional

Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)	
Intel Centrino with vPro technology	Enabled	
Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)	
System Memory	2048MB 800MHz DDR2 (1 DIMM)	
Hard Drive	160GB 7200rpm SATA Hard Drive	
Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software	
Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory	
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem	
Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0	
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intel's numbering system	is not a measurement of higher performance.	

* Intel's numbering system is not a measurement of higher performance. ** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p KS107UA#ABA Regional	Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Not Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 128 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem



Standard Features

Integrated Wireless Integrated Security	Intel® WiFi Link 5300; Bluetooth 2.0 Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intelle numbering austan	is not a manufament of higher performance	

* Intel's numbering system is not a measurement of higher performance.

** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p KS108UA#ABA Regional	Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Not Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 128 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0; HP Mobile Broadband (powered by Gobi)
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	* Intel's numbering system	is not a measurement of higher performance.



Standard Features

6930p

KS134UA#ABA Regional

Processor	Intel® Core™2 Duo Processor T8600* (2.4 GHz, 1066 MHz FSB, 3MB L2 cache)	
Intel Centrino with vPro technology	Enabled	
Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)	
System Memory	2048MB 800MHz DDR2 (1 DIMM)	
Hard Drive	160GB 5400rpm SATA Hard Drive	
Display	14.1-inch diagonal Illumi-Lite WXGA (1280 x 800 resolution)	
Graphics	Mobile Intel® GMA X4500 HD, with up to 384 MB of shared system memory	
Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array	
Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem	
Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0	
Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intel's numbering system	is not a measurement of higher performance.	

6930p KS135UA#ABA	Processor	Intel® Core™2 Duo Processor T9400* (2.53 GHz, 1066 MHz FSB, 6MB L2 cache)
Regional	Intel Centrino with vPro technology	Enabled
	Operating System	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed *+ w/MS Office 2007 (Trial)
	System Memory	3072MB 800MHz DDR2 (1 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal Illumi-Lite WXGA (1280 x 800 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem



Standard Features

Integrated Wireless Integrated Security	Intel® WiFi Link 5300; Bluetooth 2.0 Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
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* Intel's numbering system is not a measurement of higher performance.

6930p NP905AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor P8700 (2.53 GHz, 1066 MHz FSB, 3MB L2
	Intel Centrino with vPro technology	cache) Enabled
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)
	System Memory	4096MB 800MHz DDR2 (2 DIMM)
	Hard Drive	160GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution)
	Graphics	Mobile Intel® GMA X4500 HD, with up to 384 MB of shared system memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	0,	is not a measurement of higher performance. vhere use is restricted by law; for example, Russia and China.



Standard Features

6930p NP907AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor P8700* (2.53 GHz, 1066 MHz FSB, 3 MB L2 cache)
	Intel Centrino with vPro technology	Enabled
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	250GB 5400rpm SATA Hard Drive
	Display	14.1-inch diagonal Illumi-Lite WXGA (1280 x 800 resolution); 2 MP Webcam with Business Card Reader Software
	Graphics	Mobile Intel® GMA X4500 HD, with up to 384 MB of shared system memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0
	Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools
	Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Battery	6-cell (55 WHr) Lithium-Ion battery
	Power	External 90W adapter
	Warranty	3/3/0
	* Intel's numbering system	is not a measurement of higher performance.

6930p NP909AW#ABA Global (may vary based on local	Processor	Intel® Core™2 Duo Processor P8700 (2.53 GHz, 1066 MHz FSB, 3MB L2 cache)
	Intel Centrino with vPro technology	Enabled
regulatory requirements)	Operating System	Genuine Windows Vista® Business (note) w/MS Office 2007 (Trial)
	System Memory	2048MB 800MHz DDR2 (1 DIMM)
	Hard Drive	250GB 7200rpm SATA Hard Drive
	Display	14.1-inch diagonal WXGA+ anti-glare (1440 x 900 resolution)
	Graphics	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory
	Audio	High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel® WiFi Link 5300; Bluetooth 2.0



Standard Features

Integrated Security	Integrated Smart Card Reader, HP ProtectTools, TPM** 1.2 Embedded Security Chip, Enhanced Pre-Boot Security, HP Spare Key, HP Disk Sanitizer, Enhanced Drive Lock, HP Fingerprint Sensor, Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools	
Pointing Device	Enhanced dual pointing devices (touchpad with scroll zone and pointstick)	
Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive	
Battery	6-cell (55 WHr) Lithium-Ion battery	
Power	External 90W adapter	
Warranty	3/3/0	
* Intol's numbering system	is not a maggurement of higher performance	

* Intel's numbering system is not a measurement of higher performance.

** TPM module disabled where use is restricted by law; for example, Russia and China.

6930p NU836AW#ABA Global (may vary based on local	Processor	Intel Core 2 Duo Processor T9550 (2.66 GHz, 6 MB L2 cache, 1066 MHz FSB)
	Intel Centrino 2 with vPro technology	Enabled
regulatory requirements)	Operating System	Genuine Windows Vista Business 32 with Office Ready
	System Memory	4096 MB 800 MHz DDR2 (2 DIMM)
	Hard Drive	250 GB 7200 rpm SMART SATA Hard Drive
	Upgrade Bay	DVD+/-RW SuperMulti DL LightScribe Drive
	Display	14.1-inch diagonal WXGA+ anti-glare
	Graphics	ATI Mobility Radeon HD 3450 with 256 MB
	Webcam	2 MP Webcam
	Audio	ADI High Definition CODEC Stereo headphone/line out and microphone in Integrated microphone
	Communications	Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 56K V.92 modem
	Integrated Wireless	Intel WiFi Link 5300 (802.11 a/b/g/n draft 2.0)
	Integrated Security	Drive Encryption for HP ProtectTools HP Fingerprint Sensor TPM 1.2*
	Pointing Device	Dual pointing devices (Touchpad and Pointstick)
	Battery	6-cell (55 WHr) Li-Ion
	Power	External 90W adapter
	Warranty	3/3/0 or 3/3/3 depending on country



Options

Memory	HP 1 GB (DDR2 800 MHz) SODIMM	KT292AA
	HP 2 GB (DDR2 800 MHz) SODIMM	KT293AA
	HP 4 GB (DDR2 800 MHz) SODIMM	KT294AA
Storage	HP Notebooks USB Diskette Drive	DC361B
	HP Primary SATA 120 GB 5400 rpm Hard Drive	RT080AA
	HP Primary SATA 120 GB 7200 rpm Hard Drive	AH920AA
	HP Primary SATA 250 GB 5400 rpm Hard Drive	AK072AA
	HP Upgrade Bay SATA 250 GB 5400 rpm Hard Drive	AK868AA
	HP Upgrade Bay SATA DVD+/-RW SuperMulti DL LightScribe Drive	AK869AA
MultiBay II Storage (9.5-mm)	HP MultiBay II DVD-ROM Drive	PA849A
NOTE: Requires HP Advanced Docking Station or HP External MultiBay II	HP MultiBay II DVD+/-RW SuperMulti DL Drive	PA851A
Expansion Solutions	HP 2008 120W Docking Station	KP080AA#ABA
	HP 2008 150W Docking Station	KQ751AA#ABA
	HP 2008 150W Advanced Docking Station	KP081AA#ABA
	HP 2008 180W Advanced Docking Station	KQ752AA#ABA
	HP External MultiBay II	PA509A#ABA
	HP Standard Monitor Stand	PA507A
	HP Adjustable Notebook Stand	PA508A
Communications	Intel WiFi Link 5300	KM591AA#ABA
	HP un2400 EVDO/HSUPA Mobile Broadband Module	FN556AA
Power	HP 1-Bay Battery Charging Station	RW635AA#ABA
	HP 5-Bay Battery Charging Station	RW636AA#ABA
	HP Battery Adapter Kit	RW637AA
	HP 90W Smart AC Adapter	ED495AA#ABA
	HP 90W Smart Auto Adapter	ED493AA
	Primary 6-cell Battery pack	KU531AA
	HP Extended Life Battery	AJ359AA



Options		
Carrying Cases	HP Basic Carrying Case	AJ078AA
	HP Value Nylon Case	RR314AA
	HP Universal Nylon Case	RR315AA
	HP Executive Leather Case	RR316AA
	HP Deluxe Nylon Backpack	RR317AA
	HP Deluxe Roller Case	GD405AA
Security	HP ExpressCard Smart Card Reader with Java Card	AJ451AA
	HP ProtectTools Java Card – 10 units	EL348AA
	HP/Kensington MicroSaver Security Lock	PC766A
	HP Privacy Filter	AJ357AA
Input/Output Devices	HP PS/2 Keyboard & Mouse Bundle	RC464AA#ABA
	HP USB Keyboard & Mouse Bundle	RC465AA#ABA
	HP USB/PS2 Optical 2-Button Scroll Mouse	DC369A
	HP USB Optical Travel Mouse	RH304AA



Memory

800-MHz DDR2 SDRAM Two DIMM slots supporting dual channel memory DIMM sizes supported: 1024 MB, 2048 MB, and 4096 MB

Standard	Memory
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- 1024 MB (1024 MB x 1)
- 2048 MB (2048 MB x 1 or 1024 MB x 2)
- 4096 MB (4096 MB x 1 or 2048 MB x 2)
- 8192 MB (4096 MB x 2)

Optional Memory Upgrades

Support for up to 8192 MB of memory with the installation of optional DDR2 SDRAM memory kits. Both memory slots are user accessible. Please refer to the Hardware and Software Guide for installation procedures. Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

Up to	Slot 1	Slot 2
1024 MB	1024 MB	Empty
2048 MB	1024 MB	1024 MB
3072 MB	2048 MB	1024 MB
4096 MB	2048 MB	2048 MB
8192 MB	4096 MB	4096 MB

NOTE: This chart does not represent all possible memory configurations. Due to the non-industry standard nature of some thirdparty memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed. Availability of 4 GB or more of memory requires Windows Vista Business 64-bit or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

Memory Upgrades	HP 1 GB (DDR2 800 MHz) SODIMM	KT292AA
	HP 2 GB (DDR2 800 MHz) SODIMM	KT293AA
	HP 4 GB (DDR2 800 MHz) SODIMM	KT294AA



Storage

Upgrade Bay Drive Support

	Quantity Supported	Drive Bay
Blu-ray R/RE DVD+/RW SuperMulti DL Drive	One	Upgrade Bay
DVD+/-RW SuperMulti DL LightScribe Drive	One	Upgrade Bay
DVD/CD-RW Combo Drive	One	Upgrade Bay
DVD-ROM Drive	One	Upgrade Bay
250 GB 5400 rpm SMART SATA Hard Drive	One	Upgrade Bay
160 GB 7200 rpm SMART SATA Hard Drive	One	Upgrade Bay

Internal Storage Device

	Quantity Supported	Drive Bay
Hard Drives		·
250 GB 5400 rpm SMART SATA Hard Drive	One	Dedicated hard drive bay
160 GB 5400 rpm SMART SATA Hard Drive	One	Dedicated hard drive bay
120 GB 5400 rpm SMART SATA Hard Drive	One	Dedicated hard drive bay
320 GB 7200 rpm Smart SATA Hard Drive	One	Dedicated hard drive bay
250 GB 7200 rpm Smart SATA Hard Drive	One	Dedicated hard drive bay
160 GB 7200 rpm SMART SATA Hard Drive	One	Dedicated hard drive bay
Solid State Drive		
128 GB Solid State Drive	One	Dedicated hard drive bay
80 GB Solid State Drive	One	Dedicated hard drive bay



Technical Specifications

System Unit	Dimensions (HxWxD)	1.23 in (at front) x 13.03 in x 9.57 in 31.3 mm (at front) x 331.0 mm x 243.0 mm		
	Weight	with Upgrade Bay weight- saver and 4-cell battery	Starting at 4.7 lb (2.1 kg)	
		with Upgrade Bay optical drive and 6-cell battery	Starting at 5.1 lb (2.3 kg)	
	NOTE: Height varies depending upon where on the notebook the measurement is made. Starting weight includes integrated graphics, hard drive, one memory DIMM, 802.11 wireless communications module. Weight varies by configuration and components.			
	Stand-Alone Power Requirements	Nominal Operating Voltage	18.5 V	
	(AC Power)	Average Operating Power	20.0 W (integrated graphics)	
			23.0 W (discrete graphics)	
		Max Operating Power	< 90 W	
	Temperature*	Operating	32° to 95° F (0° to 35° C) (not writing optical)	
			41° to 95° F (5° to 35° C) (writing optical)	
		Non-operating	-4° to 140° F (-20° to 60° C)	
	Relative Humidity*	Operating	10% to 90%, non-condensing	
		Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature	
	Shock	Operating	125 G, 2 ms, half-sine	
		Non-operating	200 G, 2 ms, half-sine	
	Random Vibration*	Operating	0.75 grms	
		Non-operating	1.50 grms	
	Altitude* (unpressurized)	Operating	-50 to 10,000 ft (-15.24 to 3,048 m)	
		Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)	

* These ranges represent the recommended operating conditions. Although this notebook meets the military standard MIL-STD 810F for vibration, dust, humidity, altitude, and high temperature, HP does not guarantee future performance under those extreme conditions.

UL	Yes
CSA	Yes
FCC Compliance	Yes
ENERGY STAR®	Yes*
EPEAT	Gold**
ICES	Yes
GS	Yes
Australia / NZ A-Tick Compliance	Yes
CCC	Yes
Japan VCCI Compliance	Yes
MIC	Yes
BSMI	Yes
	CSA FCC Compliance ENERGY STAR [®] EPEAT ICES GS Australia / NZ A-Tick Compliance CCC Japan VCCI Compliance MIC



Technical Specifications

CE Marking Compliance	Yes
BNCI or BELUS	Yes
CIT	Yes
GOST	Yes
Saudi Arabian Compliance (ICCP)	Yes
SABS	Yes
UKRSERTCOMPUTER	Yes

* Configurations of the HP EliteBook 6930p that are ENERGY STAR qualified are identified as HP EliteBook 6930p ENERGY STAR on HP websites and on www.energystar.gov.

** EPEAT registration varies by country. See www.epeat.net for registration status by country. EPEAT status listed above applies to U.S.

NOTE: For accessibility information on HP products, please visit: http://www.hp.com/accessibility.

HP 90W Smart AC Adapter	Dimensions Weight	5.00 x 1.97 x 1.1 in (12.7 x 5.0 x 2.9 cm) 0.82 lb (370 g)		
	Input	100 to 240 VAC		
		Input Efficiency	83% min at 115 VAC	
		Input frequency range	47 to 63 Hz	
		Input AC current	1.5 A at 90 VAC, 0.75 A at 180 VAC PFC Version	
			2.4 A at 90 VAC, 1.2 A at 180 VAC NON PFC Version	
	Output	Output power 65W	90W	
		DC output	19.0V	
		Hold-up time	5 msec at 115 VAC input	
		Output current limit	<11A, Over voltage protection- 29V max automatic shutdown	
	Connector	3 pin/grounded, mates with interchangeable cords		
	Environmental Design	Operating temperature	32° to 104° F (0° to 40° C)	
		Non-operating (storage) temperature	–4° to 149° F (–20° to 65° C)	
		Altitude	0 to 10,000 ft (0 to 3,048 m)	
		Humidity	20% to 80%	
		Storage Humidity	10% to 90%	
	EMI and Safety Certifications	CE Mark – full compliance with LVD and EMC directives; Worldwide safe standards – IEC60950, EN60950, UL60950, Class1, SELV; Agency approvals – C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Clas CISPR22 Class B, CCC, NOM-1 NYCE; MTBF– over 200,000 hours at 25°C ambient condition.		



Technical Specificati	ons			
Optional HP Ultra- Capacity Battery	Dimensions (H x W x L) Weight Cells/Type	1.3 x 6.0 x 10.6 in (3.33 x 15.25 x 26.88 cm) 1.77 lb (0.803 kg) 12-cell Li-lon		
			95 WHr	
	Energy Temperature	Watt-hour Capacity Operating (Charging)	32° to 113° F (0° to 45° C)	
	remperatore	Operating (Discharging)	14° to 140° F (–10° to 60° C)	
		Non-operating	-4° to 140° F (-20° to 60° C)	
	Battery Re-Charge Time	Smart Adapter	3 to 4 hours	
	ballery the Charge Time	System ON	4 to 5 hours (depending on system power consumption)	
	Fuel Gauge	When pressed, LEDs light indicating level of charge remaining on battery		
Optional HP Extended Life Battery	e Dimensions (H x W x L)	1.0 x 3.9 x 8.7 in (2.5 x 10.0 x 22.0 cm)		
	Weight	1.00 lb (0.455 kg)		
	Cells/Type	8-cell Li-Ion		
	Energy	Watt-hour Capacity	52 WHr	
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)	
		Operating (Discharging)	14° to 140° F (–10° to 60° C)	
		Non-operating	–4° to 140° F (–20° to 60° C)	
	Battery Re-Charge Time	System in OFF mode or Standby	3 hours	
		System ON	3 to 5 hours (depending on system power consumption)	
		HP Fast Charge Technology	Charges the battery up to 90% within 90 minutes when system is OFF	
	Fuel Gauge	When pressed, LEDs light indicating level of charge remaining on battery		
6-Cell (55 WHr) Li-Ion battery	Dimensions (H $x $ W $x $ L)	0.8 x 2.1 x 8.0 in (2.0 x 5.3 x 20.3 cm)		
	Weight	0.737 lb (0.335 kg)		
	Cells/Type	6-cell Li-Ion		
	Energy	Watt-hour Capacity	55 WHr	
	Temperature	Operating (Charging)	32° to 113° F (0° to 45° C)	
		Operating (Discharging)	14° to 140° F (–10° to 60° C)	
		Non-operating	–4° to 140° F (–20° to 60° C)	
	Battery Re-Charge Time	System in OFF mode or Standby	2.5 hours	
		System ON	3 to 5 hours (depending on system power consumption)	
		HP Fast Charge Technology	Charges the battery up to 90% within 90 minutes when system is OFF	



Technical Specifications

Displays

14.1-inch Illumi-Lite	Active Area (W x H)	11.9 x 7.5 in (30.3 x 19.0 cm) 14.1 in (35.7 cm) Anti-glare 400:1 (typical)		
WXGA anti-glare	Diagonal Size			
	Surface Treatment			
	Contrast Ratio			
	Refresh Rate	60 Hz		
	Brightness	200 nit (typical)		
	Pixel Resolution	Pitch	0.237 mm	
		Format	1280 x 800	
		Configuration	RGB Stripe	
	Backlight	LED		
	PPI	107		
	Viewing Angle	±30° Horizontal, ±10° Vertical (minimum) 30/30/20/10 (Left/Right/Down/Up) (minimum) or 45/45/35/25 (Left/Right/Down/Up) (typical)		
14.1-inch WXGA anti-	Active Area (W × H)	11.9 x 7.5 in (30.3 x 19.0 cm)		
glare	Diagonal Size	14.1 in (35.7 cm)		
	Surface Treatment	Anti-glare		
	Contrast Ratio	300:1 (typical)		
	Refresh Rate	60 Hz		
	Brightness	200 nit (typical)		
	Pixel Resolution	Pitch	0.237 mm	
		Format	1280 x 800	
		Configuration	RGB Stripe	
	Backlight	CCFL		
	PPI	107		
	Viewing Angle	±30° Horizontal, ±10° Vertical (minimum) 30/30/20/10 (Left/Right/Down/Up) (minimum) or 45/45/35/25 (Left/Right/Down/Up) (typical)		



Technical Specifications

14.1-inch WXGA+ anti- glare	Active Area (W x H) Diagonal Size Surface Treatment Contrast Ratio Refresh Rate Brightness	11.9 x 7.5 in (30.3 x 19.0 14.1 in (35.7 cm) Anti-glare 300:1 (typical) 60 Hz 200 nit (typical)	D cm)
	Pixel Resolution	Pitch Format Configuration	0.210 mm 1440 x 900 RGB Stripe
	Backlight	CCFL	
	PPI Viewing Angle	121 ±30° Horizontal, ±10° V 30/30/20/10 (Left/Right/ 45/45/35/25 (Left/Right/	Down/Up) (minimum) or

Hard Drives

320 GB 7200 rpm SATA Hard Drive	Capacity Height Width Interface Transfer Rate Seek Time (typical reads, including	0.25 lb (115 g) 320 GB 0.37 in (9.5 mm) 2.75 in (70 mm) ATA-8, SATA 2.6, 3.0 Gb, Synchronous (maximum) Single Track Average	/s, NCQ 100 MB/s (Drive Capability) 1 ms 10 ms
		, , ,	•
	Transfer Kate	Synchronous (maximum)	100 MB/s (Drive Capability)
		Single Track	l ms
	0	Average	10 ms
	settling)	Maximum	18 ms
	Rotational Speed	7200 rpm	
	Logical Blocks Operating Temperature	625,142,448	
		32° to 140° F (0° to 60° C) [case temp]
	Features	ATA Security	



•			
250 GB 7200 rpm SATA	Drive Weight	0.25 lb (115 g)	
Hard Drive	Capacity	250 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb	/s, NCQ
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time	Single Track	l ms
	(typical reads, including	Average	10 ms
	settling)	Maximum	18 ms
	Rotational Speed	7200 rpm	
	Logical Blocks	488,397,168	
	Operating Temperature	32° to 140° F (0 $^\circ$ to 60° C	C) [case temp]
	Features	ATA Security	
160 GB 7200 rpm SATA	Drive Weight	0.25 lb (115 g)	
Hard Drive	Capacity	160 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb	n/s, NCQ
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time	Single Track	1.5 ms
	(typical reads, including	Average	ll ms
	settling)	Maximum	22 ms
	Rotational Speed	7200 rpm	
	Logical Blocks	312,581,808	
	Operating Temperature	32° to 140° F (0° to 60° C	C) [case temp]
	Features	ATA Security	



·			
250 GB 5400 rpm SATA	Drive Weight	0.22 lb (101 g)	
Hard Drive	Capacity	250 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb	o/s, NCQ
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time	Single Track	3 ms
	(typical reads, including	Average	13 ms
	settling)	Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	488,397,168	
	Operating Temperature	32° to 140° F (0 $^\circ$ to 60° C	C) [case temp]
	Features	ATA Security	
160 GB 5400 rpm SATA	Drive Weight	0.22 lb (101 g)	
Hard Drive	Capacity	160 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb	b/s, NCQ
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time	Single Track	3 ms
	(typical reads, including	Average	13 ms
	settling)	Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	312,581,808	
	Operating Temperature	32° to 140° F (0° to 60° C	C) [case temp]
	Features	ATA Security	



Technical Specifications

120 GB 5400 rpm SATA Hard Drive	-	0.22 lb (101 g)	
	Capacity	120 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-8, SATA 2.6, 3.0 Gb/	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
	Seek Time	Single Track	3 ms
	(typical reads, including	Average	13 ms
	settling)	Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	234,441,648	
	Operating Temperature	32° to 140° F (0° to 60° C) [case temp]
	Features	ATA Security	
128 GB 2.5-inch SATA	Weight	80.1 Grams	
Solid State Drive	Capacity	128 GB	
	, Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	SATA	
	Performance	Maximum Sequential Read	Maximum Sequential Write
		220 MB/s	200 MB/s
	Logical Blocks	250,069,680	
	Operating Temperature	32° to 158°F (0° to 70°C)	[case temp]
	Features	ATA Security; ATA-7 ;SATA	- · ·
))//-:L4		
80 GB 2.5-inch SATA Solid State Drive	Weight	0.19 lbs (86 g)	
	Capacity	80 GB	
	Height	0.37 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-7 / SATA 2.6	
	Performance	Maximum Sequential Read	•
		250 MB/s	70 MB/s
	Logical Blocks	156,301,488	
	Operating Temperature	32° to 158°F (0° to 70°C)	[case temp]
	Features	ATA Security	

Removable Storage Drives



DVD-ROM Drive	Access Times	Random	<116 ms CD (typical)
			<125 ms DVD (typical)
	Max Data Transfer Rate	24X CD-ROM	Up to 3,600 KB/s
	The off Addite	8X-DVD	Up to 10,800 KB/s
	Transfer Mode Interface	UDMA Mode 5	
		Gen 1 SATA	
	Supported Media (read)	MODE CD, CD-I, CD-I (Photo-CD, CD-EXTRA,	-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED Bridge (Photo-CD, Video CD), Multisession CD Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD- DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R,
	Supported Media (write)	None	
	Max Media Capacity (read)	4.7 GB	
	Transport	Tray Loading	
DVD/CD-RW Combo Drive	Access Times	Random	<110 ms CD (typical) <130 ms DVD (typical)
	Max Data Transfer Rate	24X CD-ROM	Up to 3,600 KB/s
		8X DVD	Up to 10,800 KB/s
		24X CD-R	Up to 3,600 KB/s
		24X CD-RW	Up to 3,600 KB/s
	Transfer Mode	UDMA Mode 5	
	Interface	Gen 1 SATA	
	Supported Media (read)	MODE CD, CD-I, CD-I (Photo-CD, CD-EXTRA,	-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED Bridge (Photo-CD, Video CD), Multisession CD Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD- DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R,
	Supported Media (write)	CD-R, CD-RW	
	Max Media Capacity (read)	8.5 GB	
	Max Media Capacity (write)	700 MB	
	Transport	Tray loading	



HP EliteBook 6930p Notebook PC

Technical Specification	ons		
DVD+/-RW SuperMulti DL LightScribe Drive	Access Times	Random	<175 ms CD (typical)
			<230 ms DVD (typical)
	Max Data Transfer Rate	24X CD-ROM	Up to 3,600 KB/s
		8X DVD	Up to 10,800 KB/s
		24X CD-R	Up to 3,600 KB/s
		16X CD-RW	Up to 2,400 KB/s
		8X DVD+R	Up to 10,800 KB/s
		4X DVD+RW	Up to 5,400 KB/s
		8X DVD-R	Up to 10,800 KB/s
		4X DVD-RW	Up to 5,400 KB/s
		2.4X DVD + R(9)	Up to 2,700 KB/s
	T (), ()	5X DVD-RAM	Up to 6,750 KB/s
	Transfer Mode	UDMA Mode 5	
	Interface	Gen 1 SATA	
	Supported Media (read)	MODE CD, CD-I, CD-I (Photo-CD, CD-EXTRA,	-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED Bridge (Photo-CD, Video CD), Multisession CD Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD- DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R,
	Supported Media (write)	CD-R, CD-RW, DVD+R LightScribe	R, DVD+RW, DVD-R, DVD-RW, DVD-RAM,
	Max Media Capacity (read)	8.5 GB	
	Max Media Capacity (write)	8.5 GB	
	Transport	Tray Loading	
Blu-ray R/RE DVD+/-RW	Access Times	Random	<140 ms CD-ROM (typical)
SuperMulti DL Drive			<160 ms DVD-ROM (typical) <300 ms BD-ROM (typical)
	Max Data Transfer Rate	24X CD-ROM	Up to 3,600 KB/s
		8X DVD-ROM	Up to 10,800 KB/s
		8X CD-R	Up to 1,200 KB/s
		8X CD-RW	Up to 1,200 KB/s
		8X DVD+R	Up to 10,800 KB/s
		4X DVD+RW	Up to 5,400 KB/s
		8X DVD-R	Up to 10,800 KB/s
		4X DVD-RW	Up to 5,400 KB/s
		2.4X DVD+R(9)	Up to 2,700 KB/s
		5X DVD-RAM	Up to 6,750 KB/s
		1X BD-ROM	Up to 4,500 KB/s



Technical Specifications

	1X BD-RE	Up to 4,500 KB/s
Transfer Mode	UDMA Mode 5	
Interface	Gen 1 SATA	
Supported Media (read)	MODE CD, CD-I, CD-I Br (Photo-CD, CD-EXTRA, Pc	NDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED ridge (Photo-CD, Video CD), Multisession CD ortfolio, CD-R, CD-RW), CD-R, CD-RW, DVD- /D-10, DVD-18), DVD-R, DVD-RW, DVD+R, D-ROM, BD-R, BD-RE
Supported Media (write)	CD-R, CD-RW, DVD+R, I RW, DVD-RAM, BD-R, BD	DVD+R(9), DVD+RW, DVD-R, DVD-R(9), DVD- -RE
Max Media Capacity (read)	50.0 GB	
Max Media Capacity (write)	50.0 GB	
Transport	Tray Loading	

Security

HP Fingerprint Sensor	Mobile Voltage Operation	3.0V–3.6V Single Supply
	Operating Temperature	32° – 158°F (0° – 70°C)
	Current Consumption @ 3.3V	Less than 70 mA peak imaging and scrolling Less than 25 mA hardware finger detection Advanced Power Management
	High-Rate Image Capture	Up to 240 image frames /sec
	ESD Resistance	IEC 61000-4-2 Level 4 (±15KV)
	Detection Matrix	192 x 16 Pixels 9.7 mm x 0.81 mm 500 ppi High-Resolution Images

Audio

Hardware	Implementation Touch-Sensitive Volume Controls	ADI1981HD High Definition CODEC Volume up, volume down, and mute
	Full Duplex	Yes
	Microphone In	Stereo
	Headphone/Line Out	Stereo
	Integrated Microphone	Yes, dual-microphone array



Technical Specifications

Audio Output Quality	Frequency Response	20 Hz – 20 kHz
	Signal to Noise Ratio	>85 dB
	Total Harmonic Distortion	0.01%
	Noise Floor	-110 dB
	Play/Record Sampling Rate(s)	8 kHz – 48kHz
	DAC	16, 20 or 24-bit
	ADC	16 or 20-bit

Communications

Integrated Intel Gigabit Network Connection (10/100/1000 NIC) 82567LM	Ethernet Features	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21- 30) 1000 Mbit/s operation (1000BASE-T; IEEE 802.3z and 802.3ab; IEEE 802.3 clauses 34-42) Auto-Negotiation (Automatic Speed Selection) Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s IEEE 802.1p QoS (Quality of Service) Support IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)
	Power Management	ACPI compliant multiple power modes Situation-sensitive features reduce power consumption
	Performance Features	TCP/IP/UDP Checksum Offload (configurable)
	Manageability	Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-LAN from off (Magic Packet only) PXE 2.1 Remote Boot Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30)) Comprehensive diagnostic and configuration software suite Intel Advanced Management Technology (iAMT)
	Interface	PCI Express x1
	NIC Device Driver Name	Intel 82567 Gigabit Network Connection



V.92 56K Data/Fax	Form Factor	MDC 1.5 Daughtercard
Modem	Power Management Support	APM Revision 1.2, ACPI
	Approvals/ Certifications	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries
	Data Mode Capabilities	V.92 data
		V.8bis
		V.80
		V44, V.42bis, MNP5 (Compression)
		V.42 (LAPM, MNP2-4) (Error Correction)
		Optional symbol rates: 2800, 3429 Asymmetric Symbol rates
	Fax Mode Capabilities	Synchronous primary channel data signaling rates: 3600, 31200 Automatic rate re-negotiation V.34 V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J TIA/EIA-578-B (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter
	Command Set	V.21 Channel 2 V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, +ILRR Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM Data compression: +DS, +DR V.251



HP EliteBook 6930p Notebook PC

QuickSpecs

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HP un2400 EV-DO/HSPA Mobile Broadband Module	Technology/Operating Bands	GSM/GPRS/EDGE: 850MHz(Cell), 900MHz(EGSM), 1800MHz(DCS), 1900MHz (PCS) UMTS/WCDMA with receive diversity: 2100MHz (UTRA FDD Band I), 1900MHz (UTRA FDD Band II), 850MHz (UTRA FDD Band V) 1xEVDO/1xRTT with receive diversity: 850MHz (Band Class0-Cell), 1900MHz (Band Class1-PCS)			
	Wireless Protocol Standards	GSM/GPRS/EDGE: Class B, Multi-slot operation, coding schemes CS1 – CS4 and MSC1 – MSC9. UMTS/WCDMA: Release 99 and Release 5 CDMA: 1xEVDO Release 0 and Release A, IS-95A, IS-95B, IS-2000			
	Wireless Parametric Standards	Meets or exceeds TIA/EIA IS-98-D			
	Maximum Data Rates	UMTS (HSPA) – 7.2 Mbps (Download), 2.0Mbps (Upload) CDMA (EVDO Release A) – 3.1 Mbps (Download), 1.8Mbps (Upload)			
	Maximum Output Power	GSM/GPRS/EDGE: 32dBm (+/-1) WCDMA: 24dBm (+/-1) CDMA: 24dBm (+/-1)			
	Maximum Power Consumption	2500mA (peak); 1000mA (average)			
	Power Consumption, Sleep Mode	5 mA			
	Power Management	USB selective suspend Integrated notebook wireless button			
	Antenna Type	Dual high efficiency 5 band antennae with spatial diversity, mounted in the display enclosure			
	Form Factor	PCI-Express MiniCard			
	Weight	11.5 g			
	Dimensions (Length x Width x Thickness)	2.01 x 1.18 x 0.18 in (51 x 30 x 4.5 mm)			
	Voltage, Operating	3.3v +/- 10%			
	Temperature, Operating (from TIA/EIA/IS-98-D)	–22° to 140° F (–30° to 60° C) (full RF performance) –22° to 167° F (–30° to 75° C) (reduced RF performance)			
	Temperature, Non- operating, 96 hours (from MIL-STD 202 Method 108)	–40° to 185° F (–40° to 85° C)			
	Humidity, Non-operating	85% relative humidity for 48 hours @ 185° F (85° C) (non-condensing)			
	Configuration Utilities	HP Connection Manager			
	LED Activity	LED Off – Radio Off; Solid LED On – Radio On			
Intel WiFi Link 5300	Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n draft 2.0*			



HP EliteBook 6930p	Notebook PC

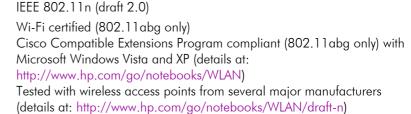
not final. If the final specific affect the ability of the note	2.11n draft 2.0 are draft specifications and are cations differ from the draft specifications, it may abook to communicate with other 802.11n WLAN an draft 2.0 is not allowed, this capability is not		
Microsoft Windows Vista an http://www.hp.com/go/not Tested with wireless access	ons Program compliant (802.11abg only) with nd XP (details at:		
2.4 GHz and 5 GHz			
3 transmit; 3 receive (3x3)			
802.11b: 1, 2, 5.5, 11 Mk 802.11a/g: 6, 9, 12, 18, 2 802.11n (draft): 66 possib depending on the combina	802.11b: 1, 2, 5.5, 11 Mbps 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n (draft): 66 possible data rates, ranging from 6 Mbps to 450 Mbps, depending on the combination of Bandwidth, Modulation Coding Scheme, and Guard Interval used, as defined in IEEE 802.11n (draft) specification		
Direct Sequence Spread Sp DBPSK, DQPSK, CCK, OF	pectrum DM, BPSK, QPSK, 16-QAM, 64-QAM		
(support for key sizes of 12	WEP, WPA, WPA2, hardware-accelerated AES 28, 192, and 256 bits), 802.1x authentication PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST.		
	Features (proven compatibility with Cisco Aironet ough the Cisco Compatible Extensions Program Vindows Vista and XP only.		
Multinational support with tregulations.	frequency bands and channels compliant to local		
CSMA/CA (Collision Avoid	lance) with ACK		
Ad-hoc (Peer to Peer)			
Infrastructure (Access Point			
	aming between access points		
15 dBm			
; 15 dBm			
	ge, with three spatial streams) je with three receive chains) ige)		
ACPI compliant power mar 802.11 compliant power so			
	льрs: -74 dBm, 6 Mbps: -90 dBm		
 300 Mbps: -68 dBm, 54 Mbps: -74 dBm, 6 Mbps: -90 dBm 3 U.FL type connectors, 50 ohm nominal impedance 			
802.11 a – Typical (@6 Mbps)	600 feet – Outdoor Open Area 150 feet – Indoor, Office environment		
	not final. If the final specifi affect the ability of the note devices. In countries where enabled. Wi-Fi certified (802.11abg Cisco Compatible Extension Microsoft Windows Vista a http://www.hp.com/go/no Tested with wireless access (details at: http://www.hp. 2.4 GHz and 5 GHz 3 transmit; 3 receive (3x3) 802.11b: 1, 2, 5.5, 11 MI 802.11a/g: 6, 9, 12, 18, 802.11n (draft): 66 possib depending on the combine and Guard Interval used, of Direct Sequence Spread Sp DBPSK, DQPSK, CCK, OF Supports 64- and 128-bit (support for key sizes of 12 types EAP-TLS, EAP-TTLS, F Support for Cisco Security infrastructure products thro Version 4) with Microsoft V Multinational support with regulations. CSMA/CA (Collision Avoid Ad-hoc (Peer to Peer) Infrastructure (Access Point IEEE 802.11 compliant roo 15 dBm ; 15 dBm Transmit: 2.3 Watts (average Idle mode ³ : 30 mW (average Idle mode ³ : 50 mW (max) ACPI compliant power ma 802.11 compliant power s 300 Mbps: -68 dBm, 54 M 3 U.FL type connectors, 50 802.11 a – Typical		



Technical Specifications

	802.11 b – Typical (@1 Mbps)	1200 feet – Outdoor Open Area 300 feet – Indoor, Office environment			
	802.11 g – Typical (@1 Mbps)	1200 feet – Outdoor Open Area 300 feet – Indoor, Office environment			
Form Factor	PCI-Express MiniCard				
Weight	0.013 lb (6 g)				
Dimensions		0.19 x 1.2 x 2.0 in (4.75 x 29.85 x 50.8 mm)			
Operating Voltage		3.3V +/- 9%, 1.5V +/- 5%			
Temperature	Operating Non-operating	32° to 176° F (0° to 80° C) –40° to 176° F (–40° to 80° C)			
Humidity	Operating Non-operating	10% to 90% (non-condensing) 5% to 90% (non-condensing)			
Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)			
Configuration Utility	⁵ Microsoft Windows XP Choice of Configure	ation Utility:			
		ows Vista Wireless Network Connection Manager. ons for Windows Vista available to support Cisco ensions.			
LED Activity		LED Off – Radio OFF; Solid LED On – Radio ON			
 Maximum outp In Power Save Receiver sensit packet error rc WLAN supplie Windows XP. V 	but power may vary by countr Polling mode and on battery ivity is measured at a packet ate of 10% for 802.11a/g (O r's client utility is required for VLAN may also be compatibl	error rate of 8% for 802.11b (CCK modulation) and a			
Broadcom 4322AGN Wireless LAN Stando 802.11a/b/g/draft-n WiFi Adapter	urds IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11g IEEE 802.11p (draft 2	0)			

Interoperability





Frequency Band	2.4 GHz and 5 GHz		
Data Rates	802.11b: 1, 2, 5.5, 11 Mł	DDS	
	802.11a/g: 6, 9, 12, 18, 1	24, 36, 48, 54 Mbps	
		12, 13, 13.5, 18, 19.5, 24, 26, 27, 36, 39,	
	162, 216, 243, 270, 300	5, 78, 81, 104, 108, 117, 121.5, 130, 135, Mbps	
Frequency Support	20 MHz: 2.4 GHz and 5 G	•	
	40 MHz: 2.4 GHz and 5 C	GHz band	
Modulation	Direct Sequence Spread Sp DBPSK, DQPSK, CCK, OF	pectrum DM, BPSK, QPSK, 16-QAM, 64-QAM	
Security ¹		WEP, WPA, WPA2, hardware-accelerated AES, is EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP- ST.	
	Support for Cisco Security	Features (proven compatibility with Cisco Aironet	
	infrastructure products thro Version 4) with Microsoft V	ugh the Cisco Compatible Extensions Program Vindows Vista and XP only.	
Sub-channels	Multinational support with regulations.	frequency bands and channels compliant to local	
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK		
Network Architecture	Ad-hoc (Peer to Peer)		
Models	Infrastructure (Access Point Required)		
Roaming	IEEE 802.11 compliant roaming between access points		
Output Power (for CCK) ²			
Output Power (for OFDM, power varies by data rate) ²	; 15 dBm		
Power Consumption	Idle associated: 250 mW		
	Idle unassociated: 150 mW		
	Transmit/Receive 20 MHz Transmit/Receive 40 MHz		
Power Management	ACPI compliant power mai		
· -····	802.11 compliant power s	-	
Receiver Sensitivity ³	270 Mbps: -66dBm, 162 Mbps: -72 dBm, 54 Mbps: -72 dBm, 11 Mbps: - 85 dBm , 1 Mbps: -94 dBm		
Antenna type	High efficiency dual band antenna with spatial diversity, mounted in the display enclosure		
Range	802.11 a – Typical	600 feet – Outdoor Open Area	
	(@6 Mbps)	150 feet – Indoor, Office environment	
	802.11 b – Typical (@1 Mbps)	1200 feet – Outdoor Open Area 300 feet – Indoor, Office environment	
	802.11 g – Typical (@1 Mbps)	1200 feet – Outdoor Open Area 300 feet – Indoor, Office environment	
Form Factor	PCI-Express MiniCard		
Weight	0.026 lb (12 g)		
Dimensions	0.19 x 1.2 x 2.0 in (4.75 x	29.85 x 50.8 mm)	



Op	perating Voltage	3.3v +/- 10%	
Ter	nperature	Operating Non-operating	14° to 149° F (–10° to 65° C) –40° to 176° F (–40° to 80° C)
Hu	midity	Operating Non-operating	10% to 90% (non-condensing) 5% to 95% (non-condensing)
Alti	tude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
Co	nfiguration Utility ⁴	Microsoft Windows XP Choice of Configuration	n Utility:
			XP Wireless Network Connection Manager Configuration Utility (required for Cisco ons support)
		Microsoft Windows Vista	
			Vista Wireless Network Connection Manager nsions for Windows Vista available to support xtensions.
LEC) Activity	LED Off – Radio OFF; Soli	id LED On – Radio ON
	 Maximum output po Receiver sensitivity is packet error rate of WLAN supplier's clie Windows XP. WLAN 	wer may vary by country ac measured at a packet erro 10% for 802.11a/g (OFDM nt utility is required for Cisc may also be compatible wi	on supported security features. cording to local regulations. r rate of 8% for 802.11b (CCK modulation) and a 1 modulation). o Compatible Extensions support with Microsoft th certain third-party software supplicants. WLAN patible Extensions support for Microsoft Windows

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11.					
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HP Integrated Module with Bluetooth Wireless Technology	Bluetooth Specification Dimensions Frequency Band Number of Available Channels	2.0 Compliant 1.02 x 0.55 x 0.22 in (26 x 14 x 5.7 mm) 2402 to 2480 MHz 79 (1 MHz) available channels
	Data Rates and	3 Mbps data rate; throughput up to 2.17 Mbps
	Throughput	Synchronous Connection Oriented links up to 3, 64 kbps, voice channels
		Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric or 1306.9 kbps symmetric
	Transmit Power	-6 dBm to 4 dBm (Bluetooth Class II)
	Receiver Sensitivity	Better than -80 dBM at 0.1 % raw bit error rate
	Power Consumption	Peak (Tx) 264 mW
		Peak (Rx) 231 mW
		Sleep <1 mW
	Antenna	Internally integrated within module
	Range	Up 33 ft (10 m)



Electrical Interface	USB 2.0 compliant		
	Microsoft Windows Plug and Play compliant		
OS Support	Microsoft Windows XP Professional and Home		
	Microsoft Windows 2000		
Bluetooth Software	Broadcom Bluetooth for V	Vindows	
Supported	Microsoft Windows XP Blu	etooth Software	
Link Topology	Point to Point, Multipoint	Pico Nets up to 7 slaves	
Security	Full support of Bluetooth	Security Provisions	
Power Management	Microsoft Windows ACPI,	and USB Bus Support	
	Self configurable to optim including Standby, Hold,	ize power conservation in all operating modes, Park, and Sniff	
Certifications	All necessary regulatory a	pprovals for supported countries, including:	
	FCC (47 CFR) Part 15C,	Section 15.247 & 15.249	
	ETS 300 328, ETS 300 82	26	
	Low Voltage Directive IEC	950	
	UL, CSA, and CE Mark		
Temperature	Operating	–4° to 158° F (–20° to 70° C)	
	Non-operating	–40° to 176° F (–40° to 80° C)	
Humidity	Operating	10% to 90%	
	Non-operating	5% to 95%	
Altitude	Operating	15,000 ft (4,572 m)	
	Non-operating	40,000 ft (12,192 m)	
Bluetooth Profiles	(with Bluetooth for Windo	ws 4.0 software)	
Supported	Serial Port Profile (SPP)*		
	Dial-Up Networking (DUN	1)*	
	Generic Object Exchange	Profile (GOEP)	
	Object Push Profile (OPP)	*	
	File Transfer Profile (FTP)		
	Synchronization Profile (S	(NC)	
	Hard Copy Cable Replace	ement (HCRP)*	
	Personal Area Networking	g Profile (PAN)*	
	Human Interface Device F	Profile (HID)*	
	FAX Profile (FAX)		
	Basic Imaging Profile (BIP)	
	Headset Profile (HSP)		
	Hands Free Profile (HFP)		
	Advanced Audio Distribut	ion Profile (A2DP)	
* indicates the profile is a	lso supported by Microsoft \	Nindows XP SP2	



Eco Data	Eco-Label Certifications	This product has received				
		 following approvals and may be labeled with one or more of these marks: US Energy Star Taiwan Green Mark China Energy Conservation Program IT ECO declaration EPEAT – Gold with Illumi-Lite LED display EPEAT – Silver without Illumi-Lite LED display The configuration used for the Energy Consumption and Declared Noise Emissions data for the Convertible Mini tower Desktop model is based on a "Typically Configured Notebook" 				
	System Configuration					
	Energy Consumption	115 VAC	230 VAC	100 VAC		
	Normal Operation	10.614 W	11.826 W	10.792 W		
	Sleep (Energy Star low power mode)	1.8621 W	1.9193 W	1.8764 W		
	Off	0.8042 W	0.8435 W	0.8106 W		
	Heat Dissipation*	115 VAC	230 VAC	100 VAC		
	Normal Operation	36 BTU/hr	40 BTU/hr	36 BTU/hr		
	Sleep	6 BTU/hr	6 BTU/hr	6 BTU/hr		
	Off	3 BTU/hr	3 BTU/hr	3 BTU/hr		
		* Heat dissipation is calculated based on the measured watts, or service level is attained for one hour.				
		This product is in compliance with US executive order 13221, WOL (wal on LAN) disabled.				
	Declared Noise Emission (in accordance with ISO 7779 and ISO 9296)	s				
		Sound Power (LWAd, bels)		Sound Pressure (LpAm, decibels)		
	Idle	3.3		25		
	Operation	3.3		26		
	Batteries	This product complies with ISO standards:				
	 EU Directive 91/157/EEC EU Directive 93/86/EEC EU Directive 98/101/EEC 					
		uct do not contain:				
		 Mercury greater than 5ppm by weight Cadmium greater than 10ppm by weight Lead greater than 4000 ppm by weight. 				
		The battery type and chem Battery type – CR2032 (cc Battery Chemistry – Lithiur	oin cell)	uct is:		



HP EliteBook 6930p Notebook PC

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Additional information:

This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive – 2002/95/EC.

This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.

This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).

This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level when configured with Illumi-lite LED Display, see: www.epeat.net

This product is in compliance with the IEEE 1680 (EPEAT) standard at the Silver level when configured with CCFL Display, see: www.epeat.net

Keyboard complies with ISO standard: ISO 9995, EN 29241-4, and ISO/IEC 15412

Input devices of this product comply with ISO 9241, part 9.

Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

This product contains 0% recycled materials (by wt.)

This product is greater than 95.4% recycle-able when properly disposed of at end of life.

Packaging Materials

- External:
 - O Corrugated Carton 182 g
- Internal:
 - O EPE-Expanded Polyethylene 33 g
 - O Corrugated Carton 488 g
- The EPE foam packaging material is made from 100% recycled content.
- The corrugated paper packaging materials contains at least 80% recycled content.

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel



Material Usage

Technical Specifications

efficiency.

• Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

This product does not contain any of the following substances in excess of regulatory limits (for reference of these limits please refer to the HP General Specification of the Environment

(http://www.hp.com/hpinfo/globalcitizenship/environment/ supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.		
	The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.		
Hewlett-Packard	For more information about HP's commitment to the environment:		
Corporate Environmental			
Information	Global Citizenship Report		
	http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html		
	Environment website		



Technical Specifications

http://www.hp.com/environment Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/ productdesign/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/ operations/envmanagement.html

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