ProBook 4420s Notebook PC
Business Style

Stylish affordability in a 14.0-inch diagonal notebook with advanced multimedia support.

Windows®. Life without Walls™. HP recommends Windows 7.

Stylish design
With a starting weight of only 4.71 lb / 2.14 kg, the HP ProBook 4420s Notebook PC offers refined simplicity in an affordable package. Its brushed aluminum finish combines good looks with durability, and it includes face recognition software for easy log-in and Corel® Home Office[1] for office productivity.

Advanced multimedia support
The notebook comes loaded with the new ArcSoft TotalMedia Suite, which allows you to play, edit, and create video and audio files. New "multimedia controls" such as play, rewind, and fast-forward for video control are now integrated into the keyboard, simplifying work with video and audio files. And experience life in high definition[2] with an HDMI port that allows you to connect directly to high-definition displays.

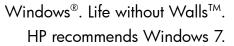### HP professional innovations to help you focus on your business
Built to conserve. HP Power Assistant[3] lets you take control with total visibility over your notebook PC's reported power consumption! This easy-to-use tool allows you to conserve power, stretch battery run time, accurately monitor your reported power needs, and report workforce power consumption.

Built to simplify. HP QuickLook 3[4] provides read and write capability for email, calendar, task, and contact information in seconds at the touch of a button, without having to boot up.[4] And HP QuickWeb[5] grants access to the Web in seconds… even if your notebook is turned off.

Built to protect. The new spill-resistant keyboard with drains helps protect sensitive electronics and key components from minor spills. And HP 3D DriveGuard helps protect your notebook's hard drive against impact or drops using a three-axis accelerometer, which detects any sudden movement and initiates protective action, so your critical information is protected.

SPECIFICATIONS

Operating system	Preinstalled: Genuine Windows® 7 Professional 32[6] Windows® XP Professional available through downgrade rights from genuine Windows 7 Professional 32[6, 7] Genuine Windows® 7 Home Premium 32[6] Genuine Windows® 7 Home Basic 32[6, 8] Genuine Windows® 7 Starter 32 [6, 8] SUSE Linux Enterprise Desktop 11 Supported: Genuine Windows 7 Professional 64[6] Certified: SUSE Linux Enterprise Desktop 11
Processor[9]	Intel® Core™ i7 Mobile Processor Family with Turbo Boost Technology[10]; Intel Core i5 Mobile Processor Family with Turbo Boost Technology[10]; Intel Core i3 Mobile Processor Family
Chipset	Mobile Intel HM57 Chipset
Memory	DDR3 SDRAM, 1333 MHz (memory speed is processor dependent), two slots supporting dual channel memory[11], 2048/4096 MB SODIMMs, up to 8192 MB total[12]
Internal storage[13]	SATA hard drive: 250/320/500 GB 7200 rpm, with HP 3D DriveGuard
Removable storage	Fixed 12.7 mm SATA optical drive: Blu-ray ROM DVD+/-RW SuperMulti DL LightScribe Drive[14, 15], DVD+/–RW SuperMulti DL LightScribe Drive[14]
Display	14.0-inch diagonal LED-backlit HD[2] (1366 x 768)
Graphics[16]	Integrated: Intel HD Graphics
Audio/Visual	High-definition audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated digital microphone; optional integrated 2 MP webcam[17, 18]
Wireless support[19]	IEEE 802.11 a/b/g/n, b/g/n; Bluetooth™ 2.1; HP Wireless Assistant
Communications[20]	Realtek Ethernet (10/100/1000 NIC), optional 56K v.92 modem
Expansion slots	(1) ExpressCard/34 slot, Media Card Reader
Ports and connectors	(4) USB 2.0 ports, including (1) combo eSATA/USB 2.0 port, VGA, HDMI, stereo microphone in, stereo headphone/line out, power connector, RJ-11/modem, RJ-45/Ethernet
Input device	Full-sized keyboard, ClickPad with Gestures support (Gestures not available for Linux)
Software	HP Recovery Manager, HP QuickLook 3[4], HP QuickWeb[5], HP DayStarter, HP Power Assistant[3], HP SoftPaq Download Manager, ArcSoft TotalMedia Suite, Skype[17], WinZip, Corel Home Office[1], Face Recognition for HP ProtectTools
Security	HP ProtectTools, Optional HP Fingerprint Sensor[18], Device Access Manager, Enhanced Pre-Boot Security, HP Spare Key[21], HP Disk Sanitizer[22], Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, File Sanitizer for HP ProtectTools[22], Kensington Lock slot, McAfee Security Solution[23]
Dimensions	1.07 (at front) x 13.23 x 9.15 in / 27.0 (at front) x 336 x 232.4 mm
Weight	Starting at: 5.0 lb / 2.27 kg (or 4.71 lb / 2.14 kg with no optical drive; weight will vary by configuration)
Power	6-cell (47 WHr) Lithium-Ion battery, 9-cell (93 WHr) Lithium-Ion battery, 90W HP Smart AC Adapter (discrete graphics), 65W HP Smart AC Adapter (integrated graphics), HP Fast Charge[24]
Expansion solutions[18]	HP USB 2.0 Docking Station, HP Essential USB Port Replicator, HP Basic Adjustable Stand
Warranty	Limited 1-year warranty, 1-year limited warranty on primary battery. Optional HP Care Pack services are extended service contracts that go beyond standard warranties. For more details, visit: http://www.hp.com/go/lookuptool.

Optional 2 MP webcam[17, 18]

14.0-inch diagonal, HD[2] LED backlit display

Full-sized, spill-resistant keyboard with drains

Optional HP Fingerprint Sensor[18]

VGA port

ClickPad with Gestures support

HDMI port

eSATA/USB 2.0 Combo port

1. Corel Home Office 60-day trial version included. Functionality is limited afterwards. Full version requires purchase.
2. HD content required to view HD images.
3. Power calculations and cost calculations are estimates. Results will vary based on variables, which include information provided by the user, time the PC is in different power states (on, standby, hibernate, off), time the PC is on battery or AC, hardware configuration, variable electricity rates, and utilities provider. HP advises customers to use information reported by HP Power Assistant for reference only and to validate the impact in their environment. Environmental calculations were based on U.S. EPA eGrid 2007 data found at www.epa.gov/egrid/. Regional results will vary.
4. HP QuickLook 3 is accessible when the notebook is off in Windows XP, Windows Vista®, or Windows 7–based systems; not supported from hibernation. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use.
5. HP QuickWeb is accessible when the notebook is off in Windows XP, Windows Vista, or Windows 7–based systems; not supported from hibernation. Internet access required. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use.
6. This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.
7. Windows XP Professional is preinstalled on this system and includes end user rights and media for Windows 7 Professional. You may only use one version at a time. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
8. Not available in all countries.
9. Dual/Quad Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
10. Intel Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software, and overall system configuration. See www.intel.com/technology/turboboost for more information.
11. Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.
12. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
13. For hard drives, GB = 1 billion bytes. Up to 8 GB (for XP), 10 GB (for Vista), or 15 GB (for Windows 7) of system disk is reserved for the system recovery software.
14. Double-layer discs can store more data than single-layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. LightScribe media required and sold separately. LightScribe creates a monochrome image. Note that DVD-RAM cannot read or write to 2.6 GB single-sided/5.2 GB double-sided—version 1.0 media. Don't copy copyright protected materials.
15. As Blu-Ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. HD-DVD movies cannot be played on this device. Models with integrated graphics require Windows 7 or Vista to support the Blu-Ray DVD drive; models with discrete graphics support it with either Windows 7, Windows Vista, or Windows XP.
16. Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by programs.
17. Internet access required.
18. Sold separately or purchased as an optional feature.
19. Wireless access point and Internet service are required and are not included. Availability of public wireless access points limited.
20. The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
21. Requires initial user setup.
22. For the use cases outlined in the DOD 5220.22-M Supplement.
23. 60-day trial period. Internet access required to receive updates. First update included. Subscription required for updates.
24. HP Fast Charge recharges your primary battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9-cell primary battery.