

	HP ProBook 4230s Notebook PC	HP ProBook 4330s Notebook PC	HP ProBook 4331s Notebook PC	HP ProBook 4430s Notebook PC	HP ProBook 4431s Notebook PC	HP ProBook 4530s Notebook PC	HP ProBook 4730s Notebook PC	HP ProBook 5330m Notebook PC	HP ProBook 6460b Notebook PC	HP ProBook 6560b Notebook PC			
Operating System (Preinstalled)	Genuine Windows® 7 Professional 32' Genuine Windows® 7 Professional 64' Genuine Windows® 7 Home Premium 32' Genuine Windows® 7 Home Premium 64' Genuine Windows® 7 Home Basic 32' (select countries) Genuine Windows® 7 Starter ² (select countries and configurations) Genuine Windows® Vista Home Basic 32' SuSE Linux Enterprise Desktop 11 FreeDOS					Genuine Windows® 7 Professional 32' Genuine Windows® 7 Professional 64' Genuine Windows® 7 Home Premium 32' Genuine Windows® 7 Home Premium 64' Genuine Windows® 7 Home Basic 32' (select countries) Genuine Windows® Vista Home Basic 32' SuSE Linux Enterprise Desktop 11 FreeDOS		Genuine Windows® 7 Professional 32' Genuine Windows® 7 Professional 64' Genuine Windows® 7 Home Premium 32' Genuine Windows® 7 Home Premium 64' Genuine Windows® 7 Home Basic 32' (select countries) Genuine Windows® 7 Starter ² (select countries and configurations) Genuine Windows® Vista Home Basic 32' SuSE Linux Enterprise Desktop 11 FreeDOS		Genuine Windows® 7 Professional 32' Genuine Windows® 7 Professional 64' Genuine Windows® 7 Home Premium 32' Genuine Windows® 7 Home Premium 64' Genuine Windows® 7 Home Basic 32' (select countries) Genuine Windows® 7 Starter ² (select countries and configurations) Genuine Windows® Vista Home Basic 32' SuSE Linux Enterprise Desktop 11 FreeDOS			
Processor ¹	2nd generation Intel® Core™ i7 mobile processors with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i5 mobile processors with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i3 mobile processors; 2nd generation Intel® Celeron® mobile processors					2nd generation Intel® Core™ i5 mobile processors ¹ with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i3 mobile processors ¹		2nd generation Intel® Core™ i7 mobile processors with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i5 mobile processors with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i3 mobile processors		2nd generation Intel® Core™ i7 mobile processors with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i5 mobile processors with Turbo Boost Technology ⁴ ; 2nd generation Intel® Core™ i3 mobile processors			
Chipset	Mobile Intel® HM65 Express Chipset		Mobile Intel® HM65 Express Chipset		Mobile Intel QM67 Express Chipset (vPro® support)		Mobile Intel QM67 Express Chipset (vPro® configurations); Mobile Intel HM65 Express Chipset (non vPro configurations)		Mobile Intel QM67 Express Chipset (vPro® configurations); Mobile Intel HM65 Express Chipset (non vPro configurations)		Mobile Intel QM67 Express Chipset (vPro® configurations); Mobile Intel HM65 Express Chipset (non vPro configurations)		
Memory	DDR3 SDRAM, 1333 MHz, two slots supporting dual-channel memory, 2/3/4/6 GB SODIMMs, up to 8 GB total ⁵					DDR3 SDRAM, 1333 MHz (running at 1066 MHz), two slots supporting dual-channel memory, 2/4 GB SODIMMs, up to 8 GB total ⁵		DDR3 SDRAM 1333 MHz, two slots supporting dual-channel memory, 2/4/8 GB SODIMMs, up to 16 GB total ⁵		DDR3 SDRAM 1333 MHz, two slots supporting dual-channel memory, 2/4/8 GB SODIMMs, up to 16 GB total ⁵			
Hard Disk	250/320/500/750 GB 7200 rpm SMART SATA II HDD, 250/320/500/640 GB 5400 rpm SMART SATA II HDD; HP 3D DriveGuard ⁶		User upgradeable 7 mm / 9.5 mm SATA hard drives: 250/320/500/750 GB 7200 rpm, 250/320/500/640 GB 5400 rpm		250/320/500 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED (Self Encrypting Drive), or 128/160 GB SSD; HP 3D DriveGuard ⁶		250/320/500 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED (Self Encrypting Drive), or 128/160 GB SSD; HP 3D DriveGuard ⁶		250/320/500 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED (Self Encrypting Drive), or 128/160 GB SSD; HP 3D DriveGuard ⁶		250/320/500 GB 7200 rpm SMART SATA II HDD, 320 GB 7200 rpm SED (Self Encrypting Drive), or 128/160 GB SSD; HP 3D DriveGuard ⁶		
Fixed Optical Drive	12.7 mm fixed optical drive: DVD-ROM; DVD±/RW SuperMulti DL Drive ^{8,9} (with ROM option); Combo Blu-ray ROM DVD±/RW SuperMulti DL Drive ^{8,9} ; Blu-ray RW DVD±/RW SuperMulti DL Drive ^{8,9} ; No-ODD option supported					12.7 mm fixed optical drive: DVD-ROM; DVD±/RW SuperMulti DL Drive ^{8,9} (with ROM option); Combo Blu-ray ROM DVD±/RW SuperMulti DL Drive ^{8,9} ; Blu-ray RW DVD±/RW SuperMulti DL Drive ^{8,9} ; No-ODD option supported		12.7 mm fixed optical drive: DVD-ROM; DVD±/RW SuperMulti DL Drive ^{8,9} (with ROM option); Combo Blu-ray ROM DVD±/RW SuperMulti DL Drive ^{8,9} ; Blu-ray RW DVD±/RW SuperMulti DL Drive ^{8,9} ; No-ODD option supported		12.7 mm SATA optical drive or secondary hard drive: Blu-ray ROM DVD±/RW SuperMulti DL Drive ^{8,9} ; DVD±/RW SuperMulti DL Drive ^{8,9} ; DVD-ROM Drive ⁸ ; 500 GB 7200 rpm HDD; or Weight saver		12.7 mm SATA optical drive or secondary hard drive: Blu-ray ROM DVD±/RW SuperMulti DL Drive ^{8,9} ; DVD±/RW SuperMulti DL Drive ^{8,9} ; DVD-ROM Drive ⁸ ; 500 GB 7200 rpm HDD; or Weight saver	
Panel	12.1 inch diagonal LED-backlit WXGA anti-glare or BrightView (1280x800)		13.3 inch diagonal LED-backlit HD ¹⁰ anti-glare (1366 x 768 resolution); 13.3 inch diagonal LED-backlit HD ¹⁰ BrightView (1366 x 768 resolution)		14.0 inch diagonal LED-backlit HD ¹⁰ anti-glare (1366 x 768 resolution); 14.0 inch diagonal LED-backlit HD ¹⁰ BrightView (1366 x 768 resolution)		15.6 inch diagonal HD ¹⁰ (1366 x 768) Choice of anti-glare and BrightView; HD+ ¹⁰ (1600 x 900) for anti-glare only		17.3 inch diagonal LED-backlit HD+ ¹⁰ anti-glare (1600 x 900 resolution)		13.3 inch diagonal LED-backlit HD ¹⁰ anti-glare (1366 x 768)		
Graphics	Integrated: Intel® HD ¹¹ Graphics 3000 ¹¹ ; Intel® HD Graphics for Celeron		Integrated: Intel® HD ¹¹ Graphics 3000 ¹¹		Discrete: AMD Mobility Radeon™ HD 6490 with 512 MB or 1 GB GDDR5 VRAM		Integrated: Intel® HD ¹¹ Graphics 3000 ¹¹		Discrete: AMD Mobility Radeon™ HD 6490 with 512 MB GDDR5 VRAM or 1 GB GDDR5 VRAM		Integrated: Intel® HD ¹¹ Graphics 3000 ¹¹		
Wireless Connectivity ^{12, 13}	Optional HP un2430 EVDO/HSPA Mobile Broadband; 802.11b/g/n, 802.11a/b/g/n with BT combo card, 802.11b/g/n with BT combo card; HP Connection Manager 4.0		Optional HP un2430 EVDO/HSPA Mobile Broadband; 802.11b/g/n, 802.11a/b/g/n with BT combo card; HP Connection Manager 4.0		Optional HP un2430 EVDO/HSPA Mobile Broadband; 802.11b/g/n, 802.11a/b/g/n with BT combo card; HP Connection Manager 4.0		Optional HP un2430 EVDO/HSPA Mobile Broadband; 802.11b/g/n, 802.11a/b/g/n with BT combo card; HP Connection Manager 4.0		Optional HP hs2340 HSPA+ Mobile Broadband Module; Optional HP un2430 EVDO/HSPA Mobile Broadband; Intel Centrino 802.11a/b/g/n, Broadcom 802.11a/b/g/n or b/g/n; Bluetooth® 2.1; HP Connection Manager 4.0		HP hs2340 HSPA+ Mobile Broadband Module; Optional HP un2430 EVDO/HSPA Mobile Broadband Module (not available at product introduction); Intel® Centrino Wireless-N 1000 (1x2); Broadcom 43224AGN 802.11a/b/g/n WiFi Adapter; Broadcom 4313GN 802.11b/g/n WiFi Adapter; HP Integrated Module with Bluetooth® 2.1+EDR Wireless Technology; HP Connection Manager 4.0		
Expansion Slot	(1) SD 3.0 HS Media Card Reader (6-in-1) including MMC (MultiMedia Card), Memory Stick, Memory Stick Pro, Memory Stick Pro Duo, SD Micro and MMC Micro		(1) ExpressCard/34 slot, 6-in-1 Media Card Reader with High Speed SD3.0 support (SD Card / Multi Media Card/ Memory Stick Pro / MS/ Duo Pro / SD- Micro/ Multi Media Card Micro)		(1) SD/MMC slot (supports Secure Digital and MultiMedia Card)		(1) SD/MMC slot (supports Secure Digital and MultiMedia Card)		(1) ExpressCard/54 slot, (1) SD/ Multi Media Card media reader		(1) ExpressCard/54 slot, (1) SD/ Multi Media Card media reader		
Ports and connectors	(3) USB ports, (1) powered USB (1) VGA, (1) HDMI, (1) stereo microphone in, (1) stereo headphone/line out, (1) power connector, (1) RJ-11/modem, (1) RJ-45/Ethernet		(4) USB ports; Video Output: VGA and HDMI; Audio in, Audio/line out; RJ-11 (modem); RJ-45 (ethernet); Smart AC adapter port		(2) USB 2.0 ports (1 charging), (1) eSATA/USB 2.0 combo port, (1) VGA, (1) HDMI, (1) RJ-45/Ethernet, (1) combo stereo headphone/mic jack, (1) power connector		(3) USB ports, (1) eSATA/USB combo port, (1) VGA, (1) DisplayPort, (1) stereo microphone in, (1) stereo headphone/line out, (1) 1394a, (1) power connector, (1) RJ-11/modem, (1) RJ-45/Ethernet, (1) docking connector, (1) secondary battery connector		(3) USB 2.0 ports, (1) eSATA/USB combo port, (1) VGA, (1) DisplayPort, (1) stereo microphone in, (1) stereo headphone/line out, (1) 1394a, (1) power connector, (1) RJ-11/modem, (1) RJ-45/Ethernet, (1) docking connector, (1) secondary battery connector, Serial port		(3) USB 2.0 ports, (1) eSATA/USB combo port, (1) VGA, (1) DisplayPort, (1) stereo microphone in, (1) stereo headphone/line out, (1) 1394a, (1) power connector, (1) RJ-11/modem, (1) RJ-45/Ethernet, (1) docking connector, (1) secondary battery connector, Serial port		
Dimensions (H x W x D)	0.992 in (at front) x 11.34 in x 8.35 in / 2.52 cm (at front) x 28.8 cm x 21.2 cm		1.10 in (at front) x 12.99 in x 9.28 in / 2.79 cm (at front) x 33.0 cm x 23.5 cm		1.13 in (at front) x 13. in x 9.26 in / 2.81 cm (at front) x 33.9 cm x 23.5 cm		1.13 in (at front) x 14.76 in x 10.1 in / 2.87 cm (at front) x 37.49 cm x 25.66 cm		1.15 in (at front) x 16.29 in x 11.00 in / 2.9 cm (at front) x 41.4 cm x 27.9 cm		0.99 in x 12.91 in x 8.86 in / 2.5 cm (at front) x 32.8 cm x 22.5 cm		
Weight ¹⁴	Starting at 1.6 kg (3.53lbs)		Starting at 2.0kg (4.41lbs)		Starting at 2.04kg (4.51lbs)		Starting at 2.36kg (5.22lbs)		Starting at 2.92kg (6.44lbs)		Starting at 1.8 kg (3.99lbs)		



Tailored for all your business needs for less.

1. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. Not all features are available in all editions of Windows 7. See <http://www.microsoft.com/windows/windows7/> for details.

2. Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/windowsvista/getready/hardware.aspx. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit www.windowsvista.com/upgradeadvisor.

3. 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 32bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See www.intel.com/info/em64t for more information. Dual/Quad Core is designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefit. Not all customers or software applications will necessarily benefit from use of this technology. Intel's numbering is not a measurement of higher performance.

4. Intel® Turbo Boost 2.0 technology requires a PC with a processor with Intel Turbo Boost 2.0 capability. Intel Turbo Boost 2.0 performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.

5. For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 10 GB (for Vista) or 15 GB (for Windows 7) of system disk is reserved for the system recovery software.

6. Microsoft Windows required.

7. Sold separately or as an optional feature.

8. Blu-ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require an HDMI digital connection and your display may require HDCP support. HD-DVD disks cannot be played on this drive. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided - Version 1.0 media. Actual speeds may vary. Don't copy copyright-protected materials. Double layer discs can store more data than single layer discs; discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

9. As HD DVD is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some HD-DVD titles to play, they may require an HDMI digital connection and your display may require HDCP support. Blu-ray disks cannot be played on this drive. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided - Version 1.0 media. Actual speeds may vary. Don't copy copyright-protected materials. Double layer discs can store more data than single layer discs; discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

10. HD content required to view HD images.

11. Intel HD 3000 not available with Celeron processors. Celeron models include Intel® HD graphics.

12. Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Connection and speeds will vary due to location, environment, network conditions, and other factors.

13. Wireless access point and Internet service required. Availability of public wireless access points limited.

14. Weight will vary by configuration.

15. Some functionality of Intel vPro, 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 vPro technologies is dependent on 3rd party software providers. Compatibility with future "virtual appliances", Microsoft Windows Vista and Windows 7 operating systems is yet to be determined.

Pack complete functionality with sophisticated design

Enter the new HP ProBook Professional Series for a premier mobile computing experience with ultimate flexibility. Designed for maximum configurability, take advantage of superb portability boosted by performance, security, manageability and durability that every mobile professional expects. Combining durable metallic finishes in a sleek package, power and performance is taken to new extremes with a host of business essentials, multimedia extras and HP Professional Innovations.



All looks, all business

Take to the road with ultra durability and incredible style. The stunning metal design takes shape in precision-formed aluminium that is deeply anodised to create a rich, smudge- and wear-resistant HP DuraFinish. Protecting against accidental spills, your HP ProBook notebook PC comes complete with a smart magnesium-enforced ABS chassis and bottom case.



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The HP ProBook series are our most configurable with an optimal combination for features for all your needs, no matter how big or small. With multiple chassis and screen size options, along with customised security and manageability options, you can be sure you'll find a solution for your business.

HP ProBook m-Series

For style-conscious professionals

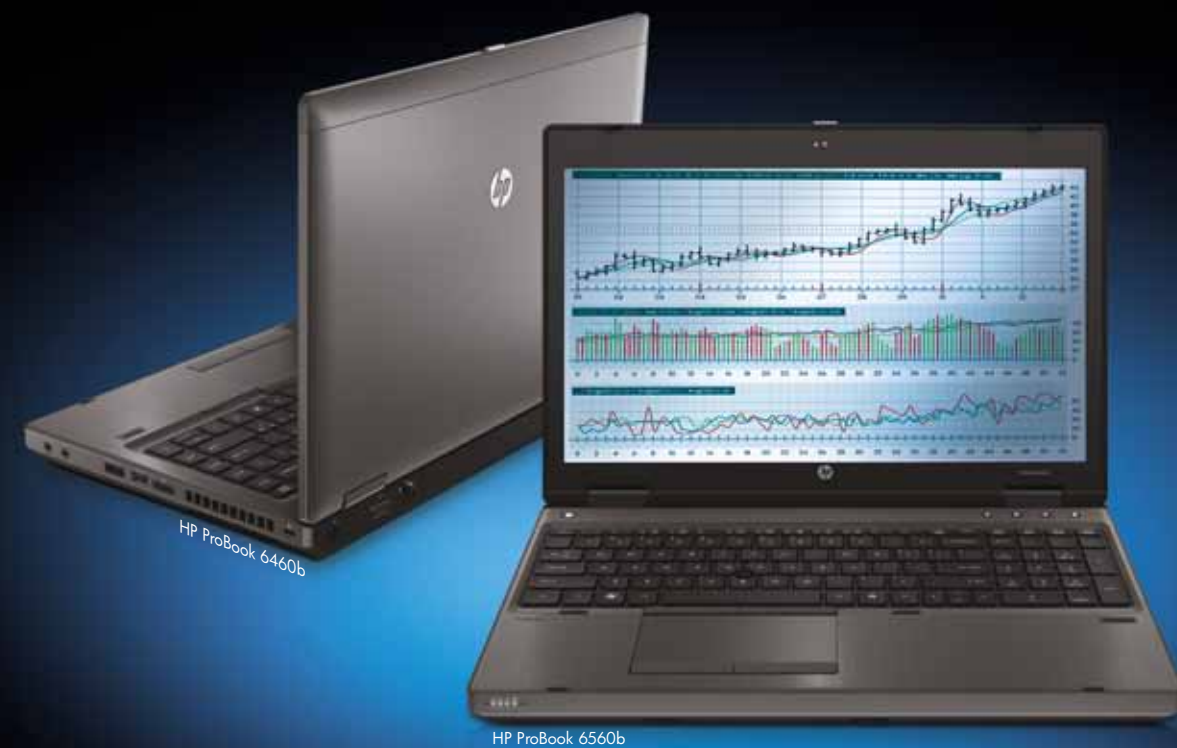
Combining looks and quality, the 13.3-inch HP ProBook 5330m boasts a sleek design yet with uncompromised durability to withstand the demands of everyday business use. Housed in a rich aluminium body, the notebook is both smudge-resistant and wear-resistant. Despite its rich finishes, the notebook whose weight starts at 1.8 kg, enables you to carry it to any appointment. Additionally, the backlit keyboard allows you to work in low-light environments with ease.

Redefine music with Beats Audio™

Get ready for a music experience like never before with HP ProBook 5330m Notebook PC. Hear every subtle sound with amazing clarity whether you are listening to music, webcast or presenting multimedia material. Hear music the way music industry leaders intend it to be. With Beats Audio™, it's all about the music.

HP ProBook b-Series

Built for optimum productivity, the HP ProBook b-series offers outstanding flexibility and choice. Whether you select a truly mobile experience, rich media workhorse, or simply robust computing power, consider all your requirements fulfilled.



Fulfilling Performance

The new Intel® architecture features 2nd generation Intel® Core™ i7, i5 and i3 dual-core processors, offering incredible performance and enhanced graphics. Couple these with the Intel® HD Graphics 3000 for added responsiveness and rich media capabilities.

Maximum configurability

Create your ideal corporate companion from HP's most configurable notebooks with the optimal combination of performance, security and manageability features. Plus, your choice of 13.3-, 14.0- and 15.6-inch diagonal HD display options. It is as simple as selecting the processor, graphic and battery options that best fits your business priorities.

HP ProBook s-Series

Be in good company with a wide breadth of security solutions, advanced multimedia features and Intel® technology. From password management with credential manager and drive encryption, to SRS Premium Sound and powerful Intel® processors, you can work, stream, watch, listen and achieve more – in and out of the office. Available in 12.1- 13.3-, 14.0-, 15.6- and 17.3-inch diagonal WXGA and HD display options.

Advanced multimedia support

Loaded with the new ArcSoft Total Media Suite, you can play, edit and create video and audio files. Experience life in high-definition with the HDMI port that allows you to connect directly with high-definition displays.

Built to connect

Wireless connectivity made simple. With HP Connection Manager you get full control over your wireless connections, including 3G and 4G mobile broadband, Wi-Fi, Ethernet and Bluetooth® through a single user interface with support for most networks worldwide.

HP Professional Innovations

Open more possibilities for your business with an entire host of built-in hardware features and software solutions.

Security



Your data stays safe with a comprehensive security suite.

- Enhanced Pre-Boot Security improves your pre-OS usability by combining security tokens (biometrics, smartcards and passwords) and enable multi-user access.
- Central Management for HP ProtectTools provides powerful remote management capabilities that make it possible for IT managers to establish and enforce security means for the organization – all from a single console.
- Strong authentication – biometrics, tokens and pre-boot security helps protect against unauthorized users by combining security tokens for multiple users.

Ease of Use

Boost productivity while maximising simplicity with innovative conveniences.

- HP QuickWeb lets you tap into fast and more secure access to the internet, email, contacts and calendar at the touch of a button.
- SRS Premium Sound delivers a rich audio experience for everything from immersive entertainment to multimedia heavy professional presentations.
- HP Connection Manager gives you full control over your wireless connections, making them seamless through a single user interface with support for most networks worldwide.
- HP Daystarter gives you a head start on the day's activities by displaying today's or tomorrow's calendar and battery charge while you boot-up.



Reliability

The HP ProBook Professional Series undergoes over 100,000 hours of rigorous testing, including 50,000 test steps.

- HP EasyAccess door provides tool-free access to key system components and offers protection against unauthorized access.
- HP DisplaySafe frame delivers enhanced business notebook panel protection that prevents scuffs and scratches caused by shock and vibration or from being packed too tightly.
- HP Total Test Process endures 113,000 hours of rigorous comprehensive testing that ranges from temperature testing, mechanical shock testing to acoustic testing. This multi-tiered product validation process guards against tough environments, accidents and the wear and tear of everyday use.



Environment

Each HP ProBook Professional Series Notebook PCs is designed to help your business strengthen its green commitment by being 90% (by weight) recyclable or recoverable.

- Energy Star® qualifying configuration delivers superior energy efficiency
- HP Power Assistant measures and logs reported energy usage by the PC and up to four HP-connected monitors.



HP Total Care

At HP, we offer personalised services at every stage of your IT system's lifecycle. Choose the right technology for your business needs with expert advice from HP and its trusted partners. Benefit from our HP Total Care services worldwide and our portfolio of support, ensuring your peace of mind anywhere your business operates. Protect critical data and reduce the likelihood of unauthorised access with HP Protect Tools and inbuilt security features. Last but not least, adapt your technology to the changing needs of your businesses by trading in and upgrade existing products**.

In tune with your business

Technology—your data, devices, and software—is critical to your day-to-day business. HP Total Care is committed to keeping your IT investments safer and ensuring your digital lifestyle is in top condition. Take advantage of the 3-year-warranty as well as the end-to-end services that HP provides. With 24/7 web support, service and updates at every stage of your computing experience, HP Total Care is dedicated to help you get the most out of your technology throughout its lifecycle.

Protecting your hardware

We realize that your key business hardware isn't always safely tucked away in the comforts of your office, but is on the road with you and needs extra protection. HP Accidental Damage Protection* covers a gamut of damage including spills, drops, falls and collisions. We understand that your business may deal with sensitive data and HP Defective Media Retention Service* helps you control and secure classified, proprietary and confidential data that lets you keep a malfunctioned disk drive after repair.

* This is a fee-based service.
** Only available in select countries, subject to countries' promotions. Contact your local HP partners for more details.

The advantage of choice

Enhance your HP ProBook experience with accessories that delivers a host of productivity options. Common docking options lets you share docking solutions across various locations quickly and easily. Versatile display and notebook stands give you even greater ease-of-use with optimum flexibility to choose how you want to work.

