

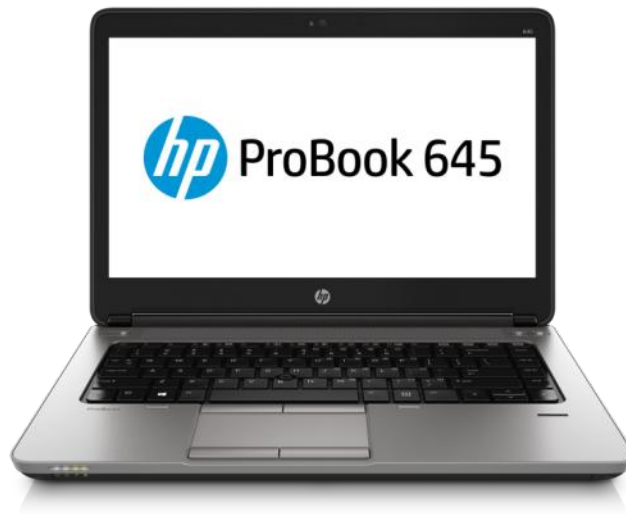
Data sheet

HP ProBook 645 Notebook PC

Enjoy enhanced productivity on these thin and light ProBooks.



HP recommends Windows.



Take on tasks in the office or on the road with the durable HP ProBook 645. These ProBooks are thin, light and a great value. Enjoy enhanced productivity and do more – faster and better – to meet the most demanding workloads.

For more information visit

www.hp.com

HP ProBook 645 Notebook PC



Thinner, tougher taskmaster.

Get the technology you trust from HP, with cutting-edge style that looks and feels the way you want.

Join forces with the latest generation technology and legacy features your business demands on a new thinner HP ProBook for in the office or on the go.

Protect existing IT investments with support for existing legacy features such as an optical drive, VGA and RJ45 connectors.



Enjoy a desktop experience on your ProBook with various docking options including HP 120W Advanced Docking Station and HP 90W Docking Station.²¹

Design your ideal ProBook.

Take advantage of the wide range of features and configurable options on the new HP ProBook 600 Series.

Configure a ProBook made for your business thanks to flexible architecture configurations including the latest AMD Richland APUs.¹⁴

Experience great visual performance with full-HD display options, AMD Radeon HD 8000G Series graphics.

Bridge distances on the HP ProBook 600 series, optimized for communication with Microsoft Lync,²² premium audio/video and full-HD display.²³



Stay in touch from the office or on the road with powerful connectivity options including 4G WWAN,^{10,15,24} HP Wireless Hotspot¹¹ and Bluetooth® 4.0.

Convenient Control.

Protect data, devices and identities with HP Client Security²⁶ and use HP Trust Circles²⁰ to make sure only assigned contacts can access critical files.

Keep sensitive information in safe hands. HP Trust Circles²⁰ protects your data by ensuring that only approved contacts can access critical files.



Stay up and running.

HP BIOS Protection²⁷ offers enhanced protection against virus attacks to the BIOS and other security threats, and is designed to help prevent data loss and reduce downtime.

Enjoy easy and simple integration into your IT environment with HP Client Management Solutions²⁸ such as optional LANDesk²⁹ technology.

Maintain a productive system environment with stable and consistent images, managed lifecycle transitions and Global Series support you can rely on.

Hardware Specifications	
Product Name	HP ProBook 645 G1 Notebook PC
Operating systems	Preinstalled: Windows 8 Pro 64 ¹ Windows 7 Professional 32 (available through downgrade rights from Windows 8 Pro 64) ² Windows 7 Professional 64 (available through downgrade rights from Windows 8 Pro 64) ² Windows 8 64 ¹ Windows 7 Professional 32 ³ Windows7 Professional 64 ³ Windows7 Home Premium 32 ³ Windows7 Home Premium 64 ³ SUSE Linux FreeDOS
Accelerated Processing Units (APU)	AMD Quad-Core; AMD Elite Quad-Core; AMD Elite ¹⁴
AMD Controller Hub	AMD A76M FCH
Memory	DDR3 SDRAM, 1600 MHz, two slots supporting dual-channel memory, 2 / 4 / 8 GB SODIMMs, up to 16 GB total ⁴
Internal Storage	1 TB 5400RPM 9.5mm SATA HDD ⁵ 320/500 GB 5400 rpm HDD ⁵ 500 GB 5400 rpm FIPS HDD ⁵ 320/500/750 GB 7200 rpm HDD ⁵ 500 GB 7200 rpm SED (Self Encrypting Drive) SATA 6 Gb/s 128/180 GB SSD, ⁵ 256 GB SED SSD ⁵
Removable Storage	Fixed 9.5 mm SATA optical drive: Blu-ray ROM DVD+/-RW SuperMulti DL; DVD+/-RW SuperMulti DL; DVD-ROM
Display	14" diagonal LED-backlit HD ⁸ anti-glare (1366 x 768) 14" diagonal LED-backlit HD ⁹ + anti-glare (1600 x 900) 14" diagonal LED-backlit FHD UWA anti-glare (1920 x 1080)
Graphics	APU Specific(AMD Radeon HD 7000G and 8000G Graphics)
Audio/Visual	HD Audio with DTS Studio Sound; Integrated stereo speakers; Integrated microphone (dual-microphone array with optional webcam); Stereo headphone/line
Wireless Support	WLAN: Atheros 802.11b/g/n (1x1) ⁹ Atheros 802.11b/g/n (1x1) and Bluetooth 4.0 Combo ⁹ Broadcom 802.11a/b/g/n (2x2) and Bluetooth 4.0 Combo ⁹ WWAN: HP hs3110 HSPA+ Mobile Broadband ^{10,15,24} HP lt4111 LTE/EV-DO/HSPA+ Mobile Broadband ^{10,15,24} HP lt4112 LTE/HSPA+ Mobile Broadband ^{10,15,24}
Communications	Intel®I218-LM Gigabit Network Connection (10/100/1000 NIC)
Ports and Connectors	3 USB 3.0; 1 USB 3.0 charging; 1 DisplayPort; 1 VGA; 1 combo stereo headphone/mic jack; 1 AC power; 1 RJ-45; 1 docking connector
Expansion Slots	1 Media Card Reader
Input Device and Camera	Spill-resistant keyboard with drain, Touchpad with on/off button, two-way scroll, gestures, two pick buttons; optional ¹⁰ pointstick with two additional pointstick buttons 720p HD ⁹ webcam optional ¹⁰
Software (Windows OS only)	Buy Office, HP 3D DriveGuard, ⁷ HP Connection Manager (Win 7), HP Wireless HotSpot, ¹¹ HP Mobile Connect (EMEA only), HP PageLift (Windows 8 only), HP Recovery Manager, HP Support Assistant, HP ePrint ¹²
Security	HP Client Security Suite includes: HP Credential Manage, HP Password Manager, ¹⁶ HP File Sanitizer ¹⁷ and HP Device Access Manager with Just in Time Authentication, HP Drive Encryption, ¹⁸ HP Secure Erase, ¹⁹ HP Trust Circles, ²⁰ Microsoft Security Essentials (Win 7) & Microsoft Defender (Win 8), HP SpareKey (requires initial user setup), Absolute Data Protect, ⁵ TPM Embedded Security Chip 1.2, security lock slot
Dimensions (w x d x h)	13.39 x 9.33 x 0.99 in (at front) 34 x 23.7 x 2.53 cm (at front)
Weight	Starting at Starting at 4.4 lb / 2 kg Weight will vary by configuration.
Power	Primary Battery: 9-cell (33 Whr) Li-Ion; 6-cell (55 Whr) Li-Ion; 3-cell (33 Whr) Li-Ion; 6-cell (55 Whr) Long Life; HP Fast Charge (6-cell only) HP 65W Smart AC adapter
Expansion Solutions	Docking Station optional ¹⁰ : HP 90W Docking Station; HP 120W Advanced Docking Station
Warranty	Limited 1-year and 3-year warranty options available, depending on country, 1 year limited warranty on primary battery. Optional ¹⁰ HP Care Pack Services ¹³ are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/cpc .

1. Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See <http://www.microsoft.com> for details.
2. This system is preinstalled with Windows®7 Pro software and also comes with a license and media for Windows 8 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
3. 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://windows.microsoft.com/en-us/windows7/products/home> for details.
4. 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.
5. For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) of system and up to 36GB (for Windows 8) disk is reserved for system recovery software.
6. Absolute Data Protect agent is shipped turned off, and must be activated by customers. Service may be limited, check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
7. Some functionality of this technology, such as Intel®Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.
8. HD content required to view HD images.
9. Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
10. Sold separately or as an optional feature.
11. The wireless hotspot application requires an active internet connection and separately purchased data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your service provider for plan details. Requires Windows 8.
12. Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/eprintcenter). Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
13. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc.
14. This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD technology. Multi core processing with AMD technology is designed to improve performance of this system. Given the wide range of SW applications available, performance will vary.
15. WWAN use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors.
16. Requires Internet Explorer. Some websites and applications may not be supported.
17. For the use cases outlined in the DOD 5220.22-M Supplement. Does not support Solid State Drives (SSDs). Initial setup required. Web history deleted only in Internet Explorer and Firefox browsers and must be user enabled.
18. Requires Windows. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access. 2013 Desktops are planned to support drive encryption in October 2013.
19. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.
20. HP Trust Circles Standard, when included, allows up to 5 Trust Circles with up to 5 contacts in each Trust Circle. Optional Trust Circles Professional required for unrestricted number of Trust Circles.
21. Docking Stations sold separately.
22. Microsoft Lync sold separately.
23. Optional webcam and internet service required for video conferencing, and not included.
24. 4G LTE not available on all products, in all regions and only available on products featuring Intel processors.
25. 26. HP Client Security requires Windows.
27. HP Tools partition with HP BIOS required for automatic recovery.
28. HP Client Management Solutions requires Windows.
29. LANDesk software is sold separately. Managed devices must be connected to the management server. Requires active LANDesk maintenance service. Wipe functionality performs a "Windows 8 Reset" and requires Windows 8. Lock performs a Windows "Lock Computer."