Datasheet

HP ProBook 640 G3 Notebook PC

The flexibility to meet business demands.

Get the most from your investment with configurations that support today's technology and legacy devices. The HP ProBook 640 is equipped with the newest security and productivity features and is compatible with your existing IT investments.

HP recommends Windows 10 Pro.

Blend new features with proven technology
- Simplify deployment of new PCs with the HP ProBook 640 that easily integrates into your current IT structure. Optional optical drives[2] and legacy ports like a standard VGA port and RJ-45 connection help reduce the costs of upgrading your PCs.

Mobilize your workforce
- Give your deskbound workforce the benefits of mobility without sacrificing performance or breaking the budget with 7th Gen Intel® Core™ i3/i5/i7 processors[2], expansive DDR4 memory, and peripherals like the HP UltraSlim dock[3].

HP exclusive security and manageability
- Help prevent data breaches and downtime with HP BIOSphere Gen3[4] and self-encrypting[3]. Simplify management with HP configuration across the globe, available in more than 180 countries where HP conducts business.

Collaborate on the go
- Business doesn't stop when you are away from the office. HP Noise Cancellation Software, HP Audio Boost, Skype for business[5], and a 720p webcam are collaboration tools that help you communicate clearly with colleagues.
- Be productive in any situation. Experience the new features of Windows 10 Pro[1] on the powerful, touch[3] optional HP ProBook 640.
- Powerful 7th Gen Intel® Core™ i3/i5/i7 processors[2] and configurable options let you deploy the right configuration based on user's needs.
- Replace batteries less often and quickly recharge your HP ProBook 640 with an HP fast charging battery. You'll get up to 90% battery life in just 90 minutes of charging[6].
- Help suppress ambient noise including keyboard clicks with HP Noise Cancellation software.
- HP Audio Boost balances loudness and clarity, and enhances bass for improved speech quality.
- Keep productivity high and downtime low with the fully integrated and automated features of the HP BIOSphere Gen3[4] firmware ecosystem. Your PCs have extra protection thanks to automatic updates and security checks.
- Stand up to the workload with a ProBook that is designed to pass MIL-STD 810G testing[7].
- Avoid surprises by tracking device health and security policy enforcement. With the HP Touchpoint Manager app, IT can quickly address risks to keep devices functional, and employees productive[8].

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Specifications Table

HP recommends Windows 10 Pro.

Available Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro.[1] Windows 10 Home 64[1] Windows 10 Home Single Language 64 – HP recommends Windows 10 Pro.[1] FreeDOS 2.0
Processor Family	7th Generation Intel® Core™ i7 processor; 7th Generation Intel® Core™ i5 processor; 7th Generation Intel® Core™ i3 processor
Available Processors[3,4]	Intel® Core™ i7-7600U with Intel HD Graphics 620 (2.9 GHz, up to 3.9 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i5-7300U with Intel HD Graphics 620 (2.6 GHz, up to 3.5 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i5-7200U with Intel HD Graphics 620 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i3-7100U with Intel HD Graphics 620 (2.4 GHz, 3 MB cache, 2 cores)
Chipset	Chipset is integrated with processor
Maximum Memory	Up to 16 GB DDR4-2133 SDRAM [7] Standard memory note: Dual channel support
Memory Slots	2 SODIMM
Internal Storage	up to 500 GB SATA (7200 rpm)[8] up to 500 GB SATA SED (7200 rpm)[8] up to 1 TB SATA (5400 rpm)[8] up to 128 GB M.2 SATA SSD[8] up to 256 GB M.2 SATA TLC SSD[8] 256 GB up to 512 GB M.2 PCIe NVMe TLC SSD[8]
Optical Storage	DVD-ROM; DVD-Writer[9]
Display	35.56 cm (14") diagonal HD SVA eDP anti-glare slim LED-backlit with WWAN (1366 x 768); 35.56 cm (14") diagonal HD SVA eDP anti-glare slim LED-backlit with camera and WWAN (1366 x 768); 35.56 cm (14") diagonal FHD SVA eDP anti-glare slim with WWAN (1920 x 1080); 35.56 cm (14") diagonal FHD SVA eDP anti-glare slim with camera and WWAN (1920 x 1080); 35.56 cm (14") diagonal FHD SVA eDP slim LED-backlit touch screen with camera and WWAN (1920 x 1080)[5]
Available Graphics	Integrated: Intel® HD Graphics 620[5] Discrete: AMD Radeon™ R7 M465 (2 GB GDDR5 dedicated)[6]
Wireless Technologies	HP lt4132 LTE/HSPA+ 4G Mobile Broadband; HP hs3210 WW HSPA+ Mobile Broadband; Intel® Dual Band Wireless-AC 8265 802.11 a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (vPro™ and non-vPro™); Ralink 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo (non-vPro™); Intel® Dual Band Wireless-AC 7265 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo (non-vPro™)[11,12] (Support for Miracast (Windows 10))
Communications	Intel® Ethernet Connection I219-LM 10/100/1000; Intel® Ethernet Connection I219-V 10/100/1000[13]
Expansion Slots	1 SD (Supports SD, SDHC, SDXC)
Ports and Connectors	1 USB Type-C™; 2 USB 3.0 (1 charging); 1 RJ-45; 1 docking connector; 1 headphone/microphone combo; 1 4.5 mm AC power connector; 1 DisplayPort™; 1 VGA (Cables are not included.)
Input Device	HP Premium Spill-resistant Keyboard with Touchpad and drain; HP Premium Spill-resistant Backlit Keyboard with Touchpad and DuraKeys with drain; HP Premium Spill-resistant Backlit Keyboard with Dual Point and DuraKeys with drain Touchpad with on/off button, two-way scroll, taps and gestures enabled, two-finger scrolling, two finger zoom (pinch)
Webcam	720p HD webcam (optional)[5]
Available Software	HP Mobile Connect Pro (models with Windows 8.1 and Windows 10); HP 3D DriveGuard 6 (Windows required); HP ePrint Driver+JetAdvantage; HP Hotkey Support; HP Recovery Manager; HP Support Assistant; HP Noise Cancellation; Buy Office; Bing Search; Skype[13,14,15]
Security Management	HP BIOSphere; HP Secure Erase; Preboot Authentication; Absolute Persistence Module; HP Client Security; HP Fingerprint Sensor; HP Password Manager; Fingerprint reader (select models); Security lock slot (lock must be purchased separately); TPM 2.0; Integrated smart card reader (active)[18,19,20]
Power	45 W Smart AC adapter; 65 W HP Smart AC adapter[12] HP 3-cell, 48 Wh Long Life Li-ion[11]
Dimensions	34 x 23.7 x 2.7 cm
Weight	Starting at 1.95 kg (Weight varies by configuration and components)
Expansion Solutions	[11]
Warranty	1 year standard parts and labour limited warranty, depending on country (upgrades available), 1 year limited warranty on primary battery

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Accessories and services (not included)

HP UltraSlim Docking Station

Designed exclusively for ultraslim HP EliteBook Notebook PCs, the HP UltraSlim Docking Station expands display, network, and device connectivity so you can be more productive throughout the day—all through a simple one-click slide-in side dock.
Product number: D9Y32AA

HP Comfort Grip Wireless Mouse

The HP Comfort Grip Wireless Mouse features a 30-month battery life and a bold, modern design that integrates seamlessly with HP Business Notebooks.
Product number: H2L63AA

HP 65W Smart AC Adapter

Feed your notebook with controlled servings of electricity. HP's new 65W Smart AC Adapter regulates power and offsets electrical spikes, is designed to reduce cable stress, and includes a special dongle to support current and prior HP models – perfect for replacing your notebook's power adapter or as a needed back-up.
Product number: H6Y89AA

HP 15.6 Executive Black Top Load

Protect your bag's contents while you're on the move with the black HP Executive Top Load, which has a lockable, double-teeth zippered notebook compartment, secure RFID pocket to safeguard your ID, and a discrete pocket for an optional tracking device.[1]
Product number: P6N18AA

HP UC Wireless Duo Headset

Take a call up to 100 feet away from your desk or phone with the HP UC Wireless Duo Headset and get premium stereo sound and noise cancelling even in the busiest environments, in a design that's comfortable to wear throughout the work day.[1,2]
Product number: W3K09AA

HP 3 year Next Business Day Onsite Hardware Support for Notebooks

Receive 3 years of next business day onsite HW support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Product number: U4391E

Learn more at
www.hp.eu/hpoptions

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Messaging Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[2] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

[3] Sold separately or as an optional feature.

[4] HP BIOSphere Gen3 features may vary depending on the PC platform and configurations.

[5] Skype for business subscription required.

[6] Recharges the battery up to 90% within 90 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.

[7] MIL-STD testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[8] HP Touchpoint Manager requires purchase of a subscription and supports Android™, iOS and Windows 7 or higher operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Not available in all countries see www.hp.com/touchpoint for availability information.

Technical specifications disclaimers

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[3] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

[4] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

[5] HD content required to view HD images.

[6] AMD Dynamic Switchable Graphics technology requires an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeDOS and Linux OS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).

[7] 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.

[8] For hard drives and solid state drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) of system disk is reserved for the system recovery software.

[9] DVD-Writer does not support DVD RAM. Don't copy copyright protected materials.

[11] Battery is internal and not replaceable by customer. Serviceable by warranty.

[12] Availability may vary by country.

[13] HP Mobile Connect Pro is only available on preconfigured devices with WWAN. For geographic availability refer to www.hp.com/go/mobileconnect

[14] HP ePrint Driver 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).

[15] Skype is not offered in China.

[16] HP Client Catalog not preinstalled, coming soon at http://www.hp.com/go/clientmanagement

[17] LANDESK Management subscription required.

[18] HP BIOSphere available only on business PCs with HP BIOS.

[19] Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.

[20] Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/ computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

[21] HP MIK for Microsoft SCCM is not preinstalled, however available for download at http://www.hp.com/go/clientmanagement

Learn more at
www.hp.eu/notebooks

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