



HP ProBook 640 G5 Notebook PC

Everyday made special

The contemporary and purposeful design of the HP ProBook 640 compliments enterprise-grade performance, security, manageability all with flexible configuration options to suit the needs of a broad spectrum of users.



HP recommends Windows 10 Pro.

Modern professional design

- This PC is built for business. The HP ProBook 640 undergoes MIL-STD 810G testing² and has a striking silver finish with sharp lines that embody today's bold design.

High performance

- Help speed up demanding business applications with an optional 8th Gen quad-core Intel® Core™ processor³ and optional Intel® Optane™⁴ memory. Help keep connected with HP Extended Range Wireless LAN and optional Wi-Fi 6.^{5,6,13}

Built on a secure foundation

- Protect your PC against the evolving malware threats of the future, with self-healing and manageable hardware-enforced security solutions from HP. From the BIOS to the browser, HP Sure Start Gen5⁷ and HP Sure Click⁸ help secure your PC.
- Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP.¹
- Take on demanding graphics and video tasks using high resolution 4k displays with optional AMD Radeon™ 540X Discrete Graphics.^{9,13}
- Get gigabit speed with optional Wi-Fi 6 on the HP ProBook 640.^{5,6,13}
- Cover more ground and improve connectivity with HP Extended Range Wireless LAN.¹⁰
- Never wonder if someone is watching you with the added peace-of-mind that comes from the integrated HP Privacy Camera, with a physical shutter to protect from malicious surveillance.¹¹
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen5, the self-healing BIOS that automatically recovers itself from attacks or corruption.⁷
- Fortify your security with up to three authentication factors including fingerprints and facial recognition.¹²
- Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click.⁸

HP ProBook 640 G5 Notebook PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Pro 64 (National Academic only) ² Windows 10 Home 64 ¹ Windows 10 Home Single Language 64 ¹ Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) ¹ FreeDOS
Processor family⁵	8th Generation Intel® Core™ i7 processor (i7-8565U); 8th Generation Intel® Core™ i5 processor (i5-8265U); 8th Generation Intel® Core™ i3 processor (i3-8145U); 8th Generation Intel® Core™ i7 processor (i7-8665U); 8th Generation Intel® Core™ i5 processor (i5-8365U)
Available Processors^{3,4,5}	Intel® Core™ i7-8565U with Intel® UHD Graphics 620 (1.8 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) Intel® Core™ i7 8665U vPro™ processor with Intel® UHD Graphics 620 (1.8 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) Intel® Core™ i5-8265U with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores) Intel® Core™ i5 8365U vPro™ processor with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores) Intel® Core™ i3-8145U with Intel® UHD Graphics 620 (2.1 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 4 MB L3 cache, 2 cores)
Maximum memory	32 GB DDR4-2400 SDRAM ⁶ Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD ⁷ 256 GB up to 512 GB M.2 SATA FIPS 140-2 SSD ⁷ 512 GB PCIe® NVMe™ M.2 SED SSD ⁷ 256 GB M.2 SATA SED SSD ⁷ 128 GB M.2 SATA SSD ⁷ 500 GB up to 1 TB 7200 rpm SATA ⁷ 500 GB 7200 rpm SATA FIPS 140-2 SED ⁷
Storage acceleration⁴⁰	16 GB PCIe® NVMe™ Intel® Optane™ Memory for storage acceleration
Display^{11,12,16,17}	14" diagonal FHD IPS eDP anti-glare WLED-backlit slim, 250 nits, 45% NTSC (1920 x 1080) 14" diagonal HD SVA eDP anti-glare WLED-backlit slim, 220 nits, 45% NTSC (1366 x 768) 14" diagonal FHD IPS eDP WLED-backlit slim touch screen, 250 nits, 45% NTSC (1920 x 1080) 14" diagonal FHD IPS eDP + PSR WLED-backlit ultraslim touch screen with HP Sure View Gen3 Integrated Privacy Screen, 700 nits, 72% NTSC (1920 x 1080)
Available Graphics	Integrated: Intel® UHD Graphics 620 ¹² Discrete: AMD Radeon™ 540X (2 GB GDDR5 dedicated) ¹³ (Support HD Decode, DX12, and HDMI 1.4b.)
Audio	Dual stereo speakers, dual array microphone
Wireless technologies^{8,9,11}	Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™ Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, vPro™ Intel® AX200 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, non-vPro™ Intel® XMM™ 7360 LTE-Advanced Cat 9
Expansion slots	1 microSD
Ports and Connectors	3 USB 3.1 Gen 1 (1 charging); 1 VGA; 1 USB 3.1 Type-C™ Gen 1 (Power delivery, DisplayPort™); 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 1.4; 1 docking connector; 1 AC power (Cables are not included.)
Input devices	HP Advanced Keyboard, Spill-resistant with drain, optional DuraKeys and backlit ¹⁴ ; Clickpad with multi-touch gesture support;
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI Intel® I219-LM GbE, vPro™ Intel® I219-V GbE, non-vPro™ ^{10,11} ;
Camera^{11,12,15}	HD Privacy webcam
Available Software^{18,19}	HP Connection Optimizer; HP Hotkey Support; HP Image Assistant; HP JumpStart; HP Noise Cancellation Software; HP Support Assistant; Native Miracast support; Buy Office (Sold separately)
Security management^{22,23,24,25,26,27,28,29,30,31,39,41}	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Fingerprint Sensor; HP Secure Erase; Power-on authentication; Preboot authentication; Smart card reader; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; Windows Defender; HP Sure Start Gen5; HP BIOSphere Gen5; HP Client Security Gen5; HP Sure Sense
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen3 ^{20,21}
Power^{34,35}	HP Smart 65 W External AC power adapter; HP Smart 65 W EM External AC power adapter; HP Smart 65 W USB Type-C™ adapter; HP Smart 45 W External AC power adapter; HP Smart 45 W USB Type-C™ adapter; HP Smart 45 W 2-prong External AC power adapter
Battery type^{33,34}	HP Long Life 3-cell, 48 Wh Li-ion Battery is internal and not replaceable by customer. Serviceable by warranty.
Battery life³²	Up to 15 hours and 30 minutes
Dimensions	13.4 x 9.5 x 0.83 in (non-touch); 13.4 x 9.5 x 0.87 in (touch)
Weight	Starting at 3.8 lb (non-touch); Starting at 4.3 lb (touch)
Energy efficiency compliance³⁷	ENERGY STAR® certified; EPEAT® Silver
Environmental specifications³⁸	Low halogen; TCO 5.0 Certified
Warranty	HP Services offers 3-year and 1-year limited warranties and 90 day software support options depending on country and the SKU selected by the customer. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. On-site service and extended coverage is also available with HP Care Pack Services, optional extended service contracts that go beyond the standard limited 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/cpc .

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Accessories and services (not included)

HP USB-C Mini Dock



Be productive on the go with streamlined, pocket-sized port expansion that's fashionable and functional. The HP USB-C™ Mini Dock has a modern, textured design and packs pass-through charging¹ and data, video, network, and device connectivity² into a compact, portable dock.

Product number: 1PM64AA

HP USB-C Notebook Power Bank



Boost your notebook's¹ uptime and charge your everyday USB devices at the same time with the portable, chargeable HP Notebook Power Bank.

Product number: 2NA10AA

HP Thunderbolt Dock 120W G2



Reinvent docking and boost productivity with our most versatile Thunderbolt™ dock, the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability¹, it delivers USB-C™² device connectivity and optional integrated audio.³

Product number: 2UK37AA

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 Notebook Power Bank



Boost your notebook's¹ uptime and charge your everyday USB devices at the same time with the portable, chargeable HP Notebook Power Bank.

Product number: N9F71AA

HP 3 year Next Business Day Onsite Hardware Support w/ADP-G2 for HP Notebooks



HP Care Pack

When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day Onsite Service with Accidental Damage Protection, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work.

Product number: UA6A7E (for 1 year platforms), UA6H3E (for 3 year platforms)

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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 and/or software 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 MIL STD 810G 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.
- ³ Quad core processors are optional. 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, branding and/or naming is not a measurement of higher performance.
- ⁴ Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
- ⁵ Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
- ⁶ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.
- ⁷ HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
- ⁸ HP Sure Click is available on select HP platforms and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode. Check <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=AAA7-0922ENW> for all compatible platforms as they become available.
- ⁹ Video conferencing requires internet connection and creative applications are sold separately.
- ¹⁰ Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.
- ¹¹ HP Privacy Camera only available PCs equipped with HD or IR camera and must be installed at the factory.
- ¹² HP Multi Factor Authenticate Gen3 is available on select HP PCs and requires Intel® Core™ processor, Intel® integrated graphics, and Intel® WLAN. Three authentication factors require Intel® vPro™. (If facial recognition is mentioned: Authentication factors may require optional hardware.)
- ¹³ Sold separately or as an optional feature.

Technical Specifications 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 Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- 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, branding and/or naming 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 In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.
- ⁶ 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.
- ⁷ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
- ⁸ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
- ⁹ WWAN module 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. 4G LTE not available on all products, in all regions.
- ¹⁰ The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility 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.
- ¹¹ Sold separately or as an optional feature.
- ¹² HD content required to view HD images.
- ¹³ 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).
- ¹⁴ Backlit keyboard is an optional feature.
- ¹⁵ Internet access required.
- ¹⁶ Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- ¹⁷ HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- ¹⁸ HP Support Assistant requires Windows and Internet access.
- ¹⁹ Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- ²⁰ HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- ²¹ HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- ²² 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.
- ²³ HP Drive Lock & Automatic Drive Lock is not supported on NVMe drives.
- ²⁴ HP Fingerprint Sensor sold separately or as an optional feature.
- ²⁵ HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
- ²⁶ Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).re TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
- ²⁷ HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
- ²⁸ Windows Defender Opt in and internet connection required for updates.
- ²⁹ HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
- ³⁰ HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- ³¹ HP Client Security Manager Gen5 requires Windows and is available on the select HP Pro and Elite PCs. See product specifications for details.
- ³² Windows 10 MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.
- ³³ Supports HP Fast Charging.
- ³⁴ Recharges the battery up to 90% within 90 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 90% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.
- ³⁵ Availability may vary by country.
- ³⁶ HP Care Packs are sold separately. 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. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
- ³⁷ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options.
- ³⁸ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- ³⁹ Smart Card reader is sold separately or as an optional feature.
- ⁴⁰ Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
- ⁴¹ HP Sure Sense requires Windows 10. See product specifications for availability.

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4AA7-5041, 2019 July 1

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