eDatasheet
HP ProBook 640 G5 Notebook PC (7LH77UT)

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 for business

Modern professional design
This PC is built for business. The HP ProBook 640 undergoes MIL-STD 810G testing[2] 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 8th Gen Intel® Core™ processor[3]. Help keep connected with HP Extended Range Wireless LAN.

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 Gen5[7] and HP Sure Click[8] help secure your PC.

Featuring

Let nothing stand in your way
Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP. [1]

High performance, high portability
Help speed up demanding business applications with an 8th Gen quad-core Intel® Core™ processor. [4]

Fast and efficient wireless LAN
Get gigabit speed Wi-Fi® with Wi-Fi 6 (802.11ax). [5]

Automatic recovery from firmware attacks
Firmware attacks can completely devastate your PC. Stay protected with HP's self-healing BIOS - HP Sure Start Gen5 automatically recovers the BIOS from malware, rootkits, or corruption.

HP Sure Sense
Malware is evolving rapidly and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.

Specifications

Operating system	Windows 10 Pro 64
Processor family	8th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-8365U processor with Intel® UHD Graphics 620 Graphics (1.6 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)[6,7]
Memory	8 GB DDR4-2400 SDRAM (1 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 620
Display	35.56 cm (14") diagonal FHD IPS eDP LED-backlit touch screen, 220 cd/m², 67% sRGB (1920 x 1080)
Display	14" diagonal FHD IPS eDP LED-backlit touch screen, 220 cd/m², 67% sRGB (1920 x 1080)[11,12,16,17,45]
Display size (diagonal)	35.56 cm (14")
Display size (diagonal)	14"
Audio features	Dual stereo speakers, dual array microphone
Minimum dimensions (W x D x H)	34 x 24 x 2.09 cm (non-touch); 34 x 24 x 2.19 cm (touch)
Minimum dimensions (W x D x H)	13.4 x 9.5 x 0.83 in (non-touch); 13.4 x 9.5 x 0.87 in (touch)
Weight	Starting at 1.73 kg (non-touch); Starting at 1.95 kg (touch) *(Weight will vary by configuration.)*
Weight	Starting at 3.8 lb (non-touch); Starting at 4.3 lb (touch) *(Weight will vary by configuration.)*
Keyboard	Full-size, spill-resistant, backlit keyboard
Pointing device	Clickpad with multi-touch gesture support
Camera	720p HD camera
Ports	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.)*
Expansion slots	1 microSD
Wireless	Intel® Dual Band Wireless-AC 22260 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, vPro™
Power	HP Smart 45 W External AC power adapter[34,35]
Battery type	HP Long Life 3-cell, 48 Wh Li-ion
Energy efficiency	ENERGY STAR® certified
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]
Environmental	Low halogen; TCO 5.0 Certified
Security management	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[22,23,24,25,26,27,28,29,30,31,39,41]
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.[36]

Accessories and services

No Recommended Accessories and Services

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] 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.

[5] 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 PC to communicate with other 802.11ax devices. 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.

[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=4AA7-0922ENW for all compatible platforms as they become available.

Technical Specifications Footnotes

[6] Multi-core 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.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[11] Sold separately or as an optional feature.

[12] HD content required to view HD images.

[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.

[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.