

# HP ProBook 450 G4 Notebook PC



## Equipped for the demands of your work

Built for productivity, the HP ProBook 450 delivers the performance and security features essential for today's workforce. The sleek and tough design provides professionals a flexible platform to stay productive in or out of the office.



## HP recommends Windows 10 Pro.

- Windows 10 Pro<sup>1</sup>

### Designed for mobility

- Work in style with the powerful 39.6 cm (15.6-inch) diagonal HP ProBook 450 with a new asteroid silver design. Confidently take on the day with a PC that's designed to pass MIL-STD 810G testing<sup>2</sup>, built with an aluminum reinforced keyboard.

### Powerful processing

- Power through projects with 7th Gen Intel<sup>®</sup> Core<sup>™</sup> processors<sup>3</sup> and optional NVIDIA<sup>®</sup> GeForce<sup>®</sup> discrete graphics<sup>4</sup>.

### Safeguard data and devices

- Help keep sensitive data secure with comprehensive security features like HP BIOSphere<sup>5</sup> as well as the embedded TPM and an optional fingerprint reader<sup>6</sup>.

### Immersive experience

- Enjoy the rich user experience of the HP ProBook 450 with long battery life and features designed to create a stunning visual and audio experience with HP Audio Boost, HP Noise Cancellation, and options like an FHD display<sup>4</sup>, and an HD touch display<sup>4</sup>.

### Featuring

- Be productive in any situation. Experience the new features of Windows 10 Pro<sup>1</sup> on the powerful, touch<sup>4</sup> optional HP ProBook 450.
- Stand up to the workload with a ProBook that is designed to pass MIL-STD 810G testing<sup>2</sup>.
- Help suppress ambient noise including keyboard clicks with HP Noise Cancellation Software.
- Help make good speakers sound great with the HP Audio Boost.
- With TPM 2.0 embedded security your critical data has protection with hardware-based encryption keys.
- Help protect your ProBook from minor spills with an optional backlit<sup>4</sup> spill-resistant HP Premium Keyboard.
- 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<sup>6</sup>.
- Keep productivity high and downtime low with the fully integrated and automated features of the HP BIOSphere firmware ecosystem. Your PCs have extra protection thanks to automatic updates and security checks<sup>5</sup>.

# HP ProBook 450 G4 Notebook PC Specifications Table

HP recommends Windows 10 Pro.



|  |  |
|--|--|
| <b>Available Operating System</b>          | Windows 10 Pro 64 – HP recommends Windows 10 Pro. <sup>1</sup><br>Windows 10 Home 64 <sup>1</sup><br>FreeDOS 2.0   |
| <b>Processor Family<sup>2,17</sup></b>     | 7th Generation Intel® Core™ i3 processor; 7th Generation Intel® Core™ i5 processor; 7th Generation Intel® Core™ i7 processor   |
| <b>Available Processors<sup>2,17</sup></b> | Intel® Core™ i7-7500U with Intel HD Graphics 620 (2.7 GHz, up to 3.5 GHz with Intel Turbo Boost Technology, 4 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 core); Intel® i3-6006U with Intel HD Graphics 520 (2 GHz, 3 MB cache, 2 cores); Intel® Pentium® 4415U with Intel® HD Graphics (2.3 GHz, 2 MB cache, 2 cores); Intel® Celeron® 3865U with Intel® HD Graphics (1.8 GHz, 2 MB cache, 2 cores)<br>(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 <a href="http://www.support.hp.com">http://www.support.hp.com</a> .) |
| <b>Chipset</b>                             | Chipset is integrated with processor   |
| <b>Maximum Memory</b>                      | Up to 16 GB DDR4-2133 SDRAM<br>Standard memory note: Transfer rates up to 2133 MT/s. Both slots are customer accessible/upgradeable. Supports dual channel memory.   |
| <b>Memory Slots</b>                        | 2 SODIMM   |
| <b>Internal Storage</b>                    | up to 500 GB SATA HD (7200 rpm) <sup>3</sup><br>500 GB up to 2 TB SATA HD (5400 rpm) <sup>3</sup><br>128 GB up to 256 GB M.2 SATA SSD <sup>3</sup><br>up to 500 GB <sup>3</sup><br>up to 512 GB (2 x 256 GB) SATA SSD <sup>3</sup>   |
| <b>Flash Cache</b>                         | 8 GB   |
| <b>Optical Storage</b>                     | DVD+/-RW SuperMulti DL <sup>4</sup><br>(Option of no optical drive.)   |
| <b>Display</b>                             | 11.6" diagonal HD eDP UWVA slim touch screen (1366 x 768) with Corning® Gorilla® Glass NBT™; 39.6 cm (15.6") diagonal HD anti-glare LED-backlit (1366 x 768); 39.6 cm (15.6") diagonal FHD anti-glare LED-backlit (1920 x 1080); 39.6 cm (15.6") diagonal HD touch screen (1366 x 768) <sup>5</sup>  |
| <b>Available Graphics</b>                  | Integrated: Intel® HD Graphics 620<br>Discrete: NVIDIA® GeForce® 930MX (2 GB DDR3 dedicated, switchable)<br>(Integrated graphics depends on processor. NVIDIA® Optimus™ technology requires an Intel processor, plus an NVIDIA® GeForce® discrete graphics configuration and is available on Windows 10 Professional OS. With NVIDIA® Optimus™ 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).)   |
| <b>Audio</b>                               | Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone   |
| <b>Wireless Technologies</b>               | HP Lt4132 LTE 4G Mobile Broadband (Optional via connector); Intel® Dual Band Wireless-AC 7265 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo (non-vPro) <sup>4,5,6</sup>   |
| <b>Communications</b>                      | Realtek Ethernet (10/100/1000)   |
| <b>Expansion Slots</b>                     | 1 multi-format digital media reader<br>(Supports SD, SDHC, SDXC.)  |
| <b>Ports and Connectors</b>                | 2 USB 2.0; 1 USB 3.0; 1 USB 3.0 Type-C™ port; 1 HDMI; 1 RJ-45; 1 VGA; 1 headphone/microphone combo; 1 AC power   |
| <b>Input Device</b>                        | Full-sized, spill-resistant keyboard with numeric keypad; HP Premium Keyboard; Full-sized chiclet keyboard<br>Clickpad with multitouch gestures, taps enabled as default, 3 finger flick   |
| <b>Webcam</b>                              | 720p HD webcam <sup>7,8</sup>  |
| <b>Available Software</b>                  | Buy Office; Certified for Skype for Business; HP Mobile Connect; HP ePrint Driver; Absolute Persistence Module; HP SoftPaq Download Manager; HP 3D DriveGuard; HP Recovery Manager; HP Support Assistant; HP Sure Connect; HP Touchpoint Manager; CyberLink Power2Go; CyberLink Power Media Player <sup>10,11,12</sup>   |
| <b>Security Management</b>                 | HP Fingerprint Reader; Security lock slot; Preboot Authentication; HP Security Manager; TPM 2.0 (1.2 optional)   |
| <b>Power</b>                               | 45 W Smart AC adapter; 65 W Smart AC adapter<br>HP 3-cell, 48 Wh Long Life Li-ion <sup>14</sup><br>Up to 14 hours and 15 minutes <sup>16</sup>   |
| <b>Dimensions</b>                          | 38.20 x 26.30 x 2.44 cm (non-touch); 38.22 x 26.35 x 2.61 cm (touch)   |
| <b>Weight</b>                              | Starting at 2.04 kg<br>(Lowest weight configuration. Weight will vary by configuration. See QuickSpecs.)   |
| <b>Product Color</b>                       | 13   |
| <b>Environmental</b>                       | Low halogen <sup>13</sup>  |
| <b>Energy Efficiency Compliance</b>        | ENERGY STAR® certified; EPEAT® Gold  |
| <b>Expansion Solutions</b>                 | 14   |
| <b>Warranty</b>                            | 1-year limited warranty (upgrades available, sold separately), 1-year warranty on primary battery  |

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### Accessories and services (not included)

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#### HP USB-C Travel Dock



Ditch the dongles and say hello to the HP USB-C™ Travel Dock, designed to simplify your mobile connectivity when you're on the road.

**Product number: T0K29AA**

#### HP UC Wired Headset



Enable crystal-clear sound and noise cancelling for meeting on-the-fly through your Windows notebook or tablet with the durable and lightweight HP UC Wired Headset, designed for a comfortable work day.<sup>12</sup>

**Product number: K7V17AA**

#### HP Business Top Load Case



Comfortably carry your notebook and everyday accessories in the stylish and durable HP Business Top Load Case.

**Product number: H5M92AA**

#### 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 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: UK703E**



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## Messaging Footnotes

<sup>1</sup> 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>.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> Sold separately or as an optional feature.

<sup>5</sup> HP BIOSphere features may vary depending on the PC platform and configurations.

<sup>6</sup> HP Touchpoint Manager supports Android™, iOS and Windows operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Not available in all countries see [www.hp.com/touchpoint](http://www.hp.com/touchpoint) for availability information. Touchpoint Manager requires purchase of a subscription. Out-of-band HP only Wipe, Lock, Unlock and reporting of BIOS boot error codes is available on select HP EliteBooks and select HP Elite x2 devices requires an internet connection, Intel® vPro™ technology and functions in S3/Sleep, S4/Hibernate and S5/Soft Off power states. SATA drives are wiped. The remote wipe of Self Encrypting Drives that have hardware encryption active is not supported. Some features require a Pro subscription.

## Technical specifications disclaimers

<sup>1</sup> 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>.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> Double-layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Note that this drive cannot read or write to 2.6 GB single-sided/5.2 GB double-sided – version 1.0 media. Don't copy copy-right protected materials.

<sup>5</sup> 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.

<sup>6</sup> Mobile Broadband 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, and in all regions.

<sup>7</sup> HD content required to view HD images.

<sup>8</sup> Internet access required.

<sup>9</sup> HP Mobile Connect is only available on preconfigured devices with WWAN. For geographic availability refer to [www.hp.com/go/mobileconnect](http://www.hp.com/go/mobileconnect).

<sup>10</sup> 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](http://www.hp.com/go/eprintcenter)).

<sup>11</sup> 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.

<sup>12</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

<sup>13</sup> Battery is internal and not replaceable by customer.

<sup>14</sup> CyberLink Power Media Player only available with optical drive.

<sup>15</sup> 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](http://www.bapco.com) for additional details.

<sup>16</sup> NOTE: 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>.

<sup>17</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. See HP's 3rd party option store for solar energy accessory [www.hp.com/go/options](http://www.hp.com/go/options).

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