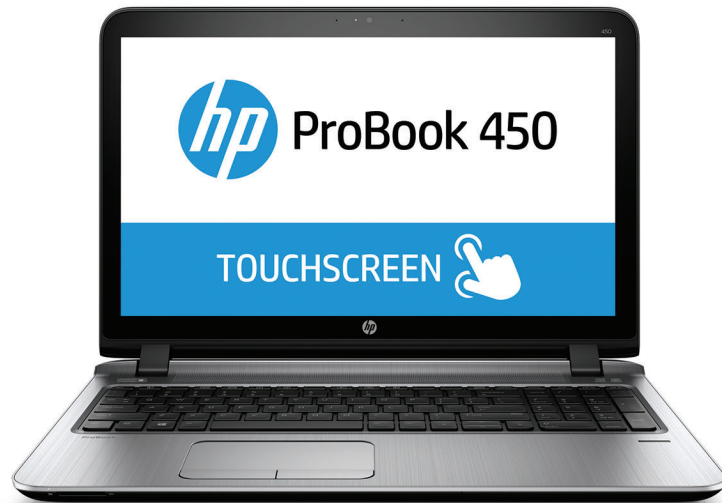


# HP ProBook 450 G3 Notebook PC



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.



- Windows 10 Pro<sup>1</sup>
- Screen Size: 15.6" diagonal

## Designed for mobility

Work in style with the powerful 15.6-inch diagonal HP ProBook 450 with a new gravity black LCD cover. Confidently take on the day with a PC built with an aluminum reinforced keyboard deck and 120,000 hours of HP Testing.

## Powerful processing

Power through projects with 6th Generation Intel® Core™ i3/i5/i7 processors<sup>2</sup> and optional discrete<sup>3</sup> AMD Radeon™ graphics with switchable graphics support.<sup>4</sup>

## Safeguard data and devices

Help keep sensitive data secure with comprehensive security features like HP Root of trust BIOS design as well as the embedded TPM.<sup>5</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 options like an FHD display,<sup>3</sup> an HD touch display,<sup>6</sup> and DTS Studio Sound™.

## Featuring

- Be productive in any situation. Experience the new features of Windows 10<sup>1</sup> on the powerful, touch<sup>3</sup> optional HP ProBook 450.
- Rest easy with a ProBook that endures 120,000 hours of testing to help ensure reliability in the most demanding work environments.
- With TPM 1.2<sup>5</sup> your critical data has protection with hardware-based encryption keys.
- Help protect your ProBook from minor spills with an optional backlit<sup>3</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>7</sup>
- The hardware root of trust BIOS design inspects the integrity of the BIOS code during each boot verifying the code ensuring only HP approved code executes at start-up.
- Optimize your storage with latest high-performing storage options from HP.
- Gain fast, reliable wireless with built-in Wi-Fi and optional Bluetooth® wireless technology.<sup>8</sup>



## HP ProBook 450 G3 Notebook PC Specifications Table



<b>Available Operating System</b>	Windows 10 Pro 64 <sup>1</sup> Windows 10 Home 64 <sup>1</sup> Windows 8.1 Pro 64 <sup>1</sup> Windows 8.1 64 <sup>1</sup> Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) <sup>2</sup> Windows 7 Professional 64 <sup>1</sup> FreeDOS 2.0
<b>Processor Family</b>	Intel® Core™ i7 processor; Intel® Core™ i5 processor; Intel® Core™ i3 processor
<b>Available Processors</b>	Intel® Core™ i7-6500U with Intel HD Graphics 520 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i5-6200U with Intel HD Graphics 520 (2.3 GHz, up to 2.8 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i3-6100U with Intel HD Graphics 520 (2.3 GHz, 3 MB cache, 2 cores)
<b>Chipset</b>	Chipset is integrated with processor
<b>Maximum Memory</b>	16 GB DDR3L-1600 SDRAM Transfer rates up to 1600 MT/s
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	up to 500 GB SATA (7200 rpm) <sup>6</sup> up to 1 TB SATA (5400 rpm) <sup>6</sup> 128 GB up to 256 GB M.2 SATA TLC SSD <sup>6</sup> up to 500 GB SATA SSHD (5400 rpm) <sup>6</sup>
<b>Optical Drive</b>	Blu-ray ROM DVD+/-RW SuperMulti DL; DVD+/-RW SuperMulti DL; DVD-ROM <sup>7,8</sup> (option of no optical drive)
<b>Flash Cache</b>	8 GB
<b>Display</b>	15.6" diagonal HD anti-glare flat LED-backlit (1366 x 768); 15.6" diagonal full HD anti-glare slim LED-backlit (1920 x 1080); 15.6" diagonal HD anti-glare flat LED-backlit touch screen (1366 x 768) <sup>13</sup>
<b>Available Graphics</b>	Integrated: Intel® HD Graphics 520 (Integrated graphics depends on processor)
<b>Audio</b>	HD audio with DTS Studio Sound™; Two stereo speakers; Integrated microphone (dual-microphone array when equipped with optional webcam); Headphone/microphone combo jack
<b>Wireless Technologies</b>	Realtek 802.11b/g/n (1x1); Realtek 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo; Broadcom 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo; Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo; Intel® Dual Band Wireless-AC 3165 802.11a/b/g/n/ac (1x1) WiFi and Bluetooth® 4.0 Combo; Intel Dual Band Wireless-AC 8260 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo <sup>9,10,11</sup>
<b>Communications</b>	Realtek Ethernet (10/100/1000)
<b>Expansion Slots</b>	1 multi-format digital media reader (supports SD, SDHC, SDXC)
<b>Ports and Connectors</b>	2 USB 3.0; 2 USB 2.0; 1 HDMI; 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 VGA
<b>Input Device</b>	HP Premium Keyboard, full-sized, spill resistant with numeric keypad; Full-sized, spill resistant backlit keyboard with numeric keypad (optional); Touchpad with on/off button, taps enabled as default, support multi gestures, two-finger scroll, pinch/zoom, edge swipe
<b>Camera</b>	720p HD webcam (select models) <sup>13</sup>
<b>Available Software</b>	Absolute Persistence; HP Drive Encryption; HP Security Manager; Microsoft Security Essentials; Microsoft Defender; Validity Fingerprint Driver; HP SoftPaq Download Manager; CyberLink Power2Go; CyberLink PowerDVD; CyberLink YouCam; HP Connection Manager; HP GPS and Location; HP Mobile Connect; Intel® WiDi Software; HP 3D DriveGuard; HP Recovery Manager; HP Support Assistant; Foxit PhantomPDF Express <sup>14,15,16,17</sup>
<b>Security Management</b>	Standard: HP Client Security, Microsoft Defender (models with Windows 8), Drive Encryption, HP BIOS Protection, Security lock slot, TPM; Optional: HP Fingerprint Reader, Microsoft Security Essentials (models with Windows 7) <sup>17,18</sup>
<b>Power</b>	45 W Smart AC adapter; 65 W Smart AC adapter 4-cell, 44 WHr Li-ion; 6-cell, Long Life 55 WHr Li-ion
<b>Dimensions</b>	14.88 x 10.41 x 0.94 to 0.98 in (front to rear) (non-touch); 14.88 x 10.42 x 1 to 1.04 in (front to rear) (touch) 37.8 x 26.43 x 2.38 to 2.48 cm (front to rear) (non-touch); 37.8 x 26.46 x 2.55 to 2.65 cm (front to rear) (touch)
<b>Weight</b>	Starting at 4.74 lb Starting at 2.15 kg (Lowest weight configuration. Weight will vary by configuration. See QuickSpecs.)
<b>Environmental</b>	Low halogen <sup>19</sup>
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified configurations available; EPEAT® Gold registered. EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
<b>Warranty</b>	HP Services offers a 1 year standard commercial warranty; 1 year limited warranty on primary battery. On-site service and optional HP Care Pack Services are available to extend your protection beyond the standard warranty.

## HP ProBook 450 G3 Notebook PC

### Accessories and services (not included)

---

#### HP 3001pr USB 3.0 Port Replicator



Meet your go-to, platform-independent hot-desking solution for getting online and connecting to a single external display<sup>1,2</sup> and up to three USB-connected devices.<sup>1,3</sup>  
**Product number: F3S42AA**

---

#### HP 45W Smart AC Adapter



Be productive throughout the day and keep an extra adapter on hand with the lightweight and versatile HP 45W Smart AC Adapter.

**Product number: H6Y88AA**

---

#### 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 Ultra Mobile Wireless Mouse



Low-profile, long-life, and designed for comfort.

Here's the long-life wireless mouse that's so compact you can toss it in your carrying case without bulking out its profile, so power-smart it keeps up with your work day, and so comfortable you'll look for reasons to use it.

**Product number: H6F25AA**

---

#### HP Business Backpack



A backpack designed with the businessman or woman in mind. It has room for the largest HP 17.3" notebook and plenty of space for additional papers and accessories

**Product number: H5M90AA**

---

#### HP Business Top Load Case



Keep your notebook (up to 15.6 diagonal inches) close at hand and securely store your papers, business cards, cell phones and other supplies in the roomy top load carry case.

**Product number: H5M92AA**

## 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 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.microsoft.com>.
- <sup>2</sup> 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. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
- <sup>3</sup> Sold separately or as an optional feature.
- <sup>4</sup> AMD Dynamic Switchable Graphics technology requires either an AMD "A" series APU or 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).
- <sup>5</sup> 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).
- <sup>6</sup> HD touchscreen is available as an optional feature.
- <sup>7</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.
- <sup>8</sup> Wireless and Bluetooth may be optional features. Wireless requires separately purchased access point and Internet service. Availability of public wireless access points limited.

## Technical Specifications 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.microsoft.com>.
- <sup>2</sup> This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 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.
- <sup>3</sup> Japan only for select configurations
- <sup>4</sup> 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. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
- <sup>5</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8.1 and 10) is reserved for system recovery software.
- <sup>6</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>7</sup> With Blu-Ray certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this Blu-Ray drive.
- <sup>8</sup> Wireless is an optional add-on feature and requires wireless access point and Internet service. Availability of public wireless access points limited.
- <sup>9</sup> The specifications for the 5G WiFi aka 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. Wireless access point and Internet service required and not included. Availability of public wireless access points limited.
- <sup>10</sup> Mobile Broadband is an optional feature and requires factory configuration. 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. 4G LTE not available on all products, and in all regions.
- <sup>11</sup> AMD Dynamic Switchable Graphics technology requires either an AMD "A" series APU or an Intel processor, plus optional 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).
- <sup>12</sup> HD content required to view HD images.
- <sup>13</sup> HP Mobile Connect is available in select EMEA countries and requires a compatible CDMA or HSPA mobile broadband module and prepaid service purchase. Find coverage and availability for your service area at [www.hp.com/go/mobileconnect](http://www.hp.com/go/mobileconnect).
- <sup>14</sup> BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. 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.
- <sup>15</sup> HP Support Assistant: Internet access required.
- <sup>16</sup> HP Drive Encryption 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.
- <sup>17</sup> Microsoft Defender (Windows 8 only).
- <sup>18</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

**Sign up for updates**  
[hp.com/go/getupdated](http://hp.com/go/getupdated)

**Learn more at**  
[hp.com](http://hp.com)

The product could differ from the images shown. © 2015 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. Specific features may vary from model to model. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Bluetooth is a trademark of its proprietor and used by Hewlett-Packard Company under license. Intel, Core Celeron and Pentium are trademarks of Intel Corporation in the U.S. and other countries. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS Studio Sound is a trade mark of DTS, Inc. © DTS, Inc. All Rights Reserved. Qualcomm and Gobi are trademarks of Qualcomm Incorporated, registered in the United States and other countries. Trademarks of Qualcomm Incorporated are used with permission. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency.

4AA6-0634ENUC, August 2015

