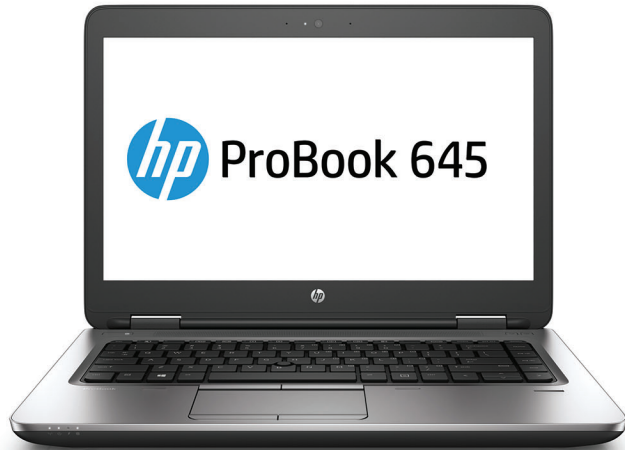


# HP ProBook 645 G3 Notebook PC



Protect your existing IT investments with the cost effective HP ProBook 645 that integrates with your legacy devices and is equipped with the latest security and productivity features.

HP recommends Windows 10 Pro.



## Utilize your existing IT infrastructure

- Legacy features on the HP ProBook 645 like an optional optical drive<sup>2</sup>, a standard VGA port, and an RJ-45 connection help you get the most out of your existing IT investments.

## Create a full-featured experience

- 6th or 7th generation AMD APUs<sup>3</sup>, robust DDR4 memory, and professional-grade peripheral devices like the HP UltraSlim dock<sup>2</sup> create a full-featured budget-friendly experience.

## Strong security easily managed

- Help protect and manage your PCs with business-class security and manageability solutions. TPM, HP BIOSphere Gen3<sup>4</sup> and HP Client Security Gen3<sup>5</sup> help guard data while global configuration across 180 countries simplifies management.

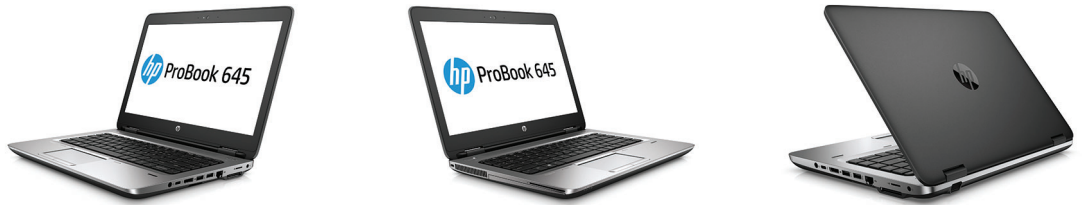
## Business-ready collaboration

- Impressive collaboration tools like Skype for Business<sup>6</sup>, bi-directional HP Noise Cancellation Software, HP Audio Boost, and a 720p webcam make you ready for collaboration on the go.

## Featuring

- Be productive in any situation. Experience the new features of Windows 10 Pro<sup>1</sup> on the powerful, touch<sup>2</sup> optional HP ProBook 645.
- Configure the right ProBook for each user's needs with a wide range of features and configurable options.
- Replace batteries less often and quickly recharge your HP ProBook 645 with an HP fast charging battery. You'll get up to 90% battery life in just 90 minutes of charging<sup>7</sup>.
- 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<sup>4</sup> 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<sup>8</sup>.

# HP ProBook 645 G3 Notebook PC Specifications Table



<b>Available Operating System</b>	Windows 10 Pro 64 – HP recommends Windows 10 Pro. <sup>1</sup> Windows 10 Home 64 <sup>1</sup> Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) – HP recommends Windows 10 Pro. <sup>2</sup> FreeDOS 2.0
<b>Processor Family</b>	7th Generation AMD A8 APU processor (A8-9600B model); AMD PRO A10 APU; AMD A6 APU
<b>Available Processors</b> <sup>3,23</sup>	AMD A10-8730B APU with Radeon™ R5 Graphics (2.4 GHz, up to 3.3 GHz, 2 MB cache, 4 cores); AMD PRO A8-9600B APU with Radeon™ R5 Graphics (2.4 GHz, up to 3.3 GHz, 2 MB cache, 4 cores); AMD PRO A6-8530B APU with Radeon™ R5 Graphics (1.8 GHz, up to 3.2 GHz, 2 MB cache, 2 cores)
<b>Chipset</b>	Chipset is integrated with processor
<b>Maximum Memory</b>	16 GB DDR4-1866 SDRAM <sup>4,5</sup> Transfer rates up to 1866 MT/s; Available on select models; Both slots are customer accessible/upgradeable.
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	up to 500 GB SATA (7200 rpm) <sup>6</sup> up to 500 GB SATA SED (7200 rpm) <sup>6</sup> up to 500 GB SATA FIPS 140-2 SED (7200 rpm) <sup>6</sup> up to 1 TB SATA (5400 rpm) <sup>6</sup> up to 128 GB M.2 SATA SSD <sup>6</sup> up to 360 GB M.2 PCIe TLC SSD <sup>6</sup> 256 GB up to 512 GB M.2 PCIe NVMe TLC SSD <sup>6</sup> up to 256 GB M.2 SATA TLC SSD <sup>6</sup>
<b>Optical Drive</b>	DVD-ROM; DVD-Writer; Blu-ray ROM DVD-Writer <sup>7,22</sup>
<b>Display</b>	14" diagonal HD SVA anti-glare slim LED-backlit (1366 x 768); 14" diagonal HD SVA anti-glare slim LED-backlit with camera (1366 x 768); 14" diagonal HD SVA anti-glare slim LED-backlit with WWAN (1366 x 768); 14" diagonal HD SVA anti-glare slim LED-backlit with camera and WWAN (1366 x 768); 14" diagonal FHD SVA anti-glare slim LED-backlit (1920 x 1080); 14" diagonal FHD SVA anti-glare slim LED-backlit with camera (1920 x 1080); 14" diagonal FHD SVA anti-glare slim LED-backlit with WWAN (1920 x 1080); 14" diagonal FHD SVA anti-glare slim LED-backlit with camera and WWAN (1920 x 1080); 14" diagonal FHD SVA BrightView slim WLED-backlit with camera and WWAN touch screen (1920 x 1080) <sup>12</sup>
<b>Available Graphics</b>	Integrated: AMD Radeon™ R5
<b>Wireless Technologies</b>	HP It4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module; HP It4132 LTE/HSPA+ 4G Mobile Broadband; HP hs3210 WW HSPA+ Mobile Broadband; Intel® Dual Band Wireless-AC 7265 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo (non-vPro); Intel® Dual Band Wireless-AC 3168 802.11 a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro); Realtek 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo (non-vPro) <sup>8,10,11</sup>
<b>Communications</b>	HP Module with NXP NFC Controller NPC100 I2C NCI; Realtek RTL8111HS Gigabit Ethernet
<b>Expansion Slots</b>	1 SD (Supports SD, SDHC, SDXC)
<b>Ports and Connectors</b>	1 USB Type-C™; 2 USB 3.0 charging; 1 RJ-45; 1 docking connector; 1 headphone/microphone combo jack; 1 4.5 mm AC power connector; 1 DisplayPort™ 1.2; 1 VGA
<b>Input Device</b>	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)
<b>Camera</b>	720p HD webcam (optional) <sup>12</sup>
<b>Available Software</b>	HP 3D DriveGuard (Windows required); HP ePrint Driver + JetAdvantage; HP Hotkey Support; HP Recovery Manager; HP Support Assistant; HP Noise Cancellation; HP Velocity; For a complete list of preinstalled software, please refer to the quick spec document for this product. <sup>14</sup>
<b>Security Management</b>	HP Device Access Manager; HP BIOSphere; HP Secure Erase; Absolute persistence module; HP Client Security Gen3; Fingerprint reader; Security lock slot; TPM 2.0; Smart card reader <sup>18,19,20,25</sup>
<b>Management Features</b>	HP Driver Packs; HP SoftPaq Download Manager (SDM); HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Management Integration Kit for Microsoft System Center Configuration Manager; LANDESK Management <sup>9,16,17</sup>
<b>Power</b>	45 W Smart AC adapter; 45 W Smart AC adapter 2-prong; 65 W Smart AC adapter; 65 W EM Smart AC adapter
<b>Battery Type</b>	3-cell, 48 Wh Li-ion
<b>Dimensions</b>	34 x 23.7 x 2.7 cm
<b>Weight</b>	Starting at 1.95 kg (Weight varies by configuration and components)
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified configurations available; EPEAT® Gold <sup>24</sup>
<b>Warranty</b>	HP Services offers 3-year and 1-year limited warranties and 90-day support options depending on country. Batteries have a default one year limited warranty. On-site service and extended coverage is also available. HP Care Pack Services are 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: <a href="http://www.hp.com/go/cpc">http://www.hp.com/go/cpc</a> . <sup>21</sup>

## HP ProBook 645 G3 Notebook PC

### Recommended Accessories and Services

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#### 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**

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#### HP Business Backpack



Keep your notebook and everyday essentials comfortably close at hand with the stylish and durable HP Business Backpack.

**Product number: H5M90AA**

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#### HP 65W Slim AC Adapter



Be productive with the HP Slim 65W Combo Adapter, which can power your HP Business Notebook or Ultrabook™.

**Product number: H6Y82AA**

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#### HP 90W Slim AC Adapter



Be productive with the HP Slim 90W Combo Adapter, which can power your HP Business Notebook or Ultrabook™.

**Product number: H6Y83AA**

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#### HP Conferencing Keyboard



Drive your Microsoft Lync voice and video calls directly from your HP Conferencing Keyboard and connect, disconnect, and manage your calls and videoconferencing settings with simple dedicated keys<sup>1</sup>.

**Product number: K8P74AA**

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#### HP 3-year Travel Next Business Day Low End Notebook Only Hardware Support



This HP services offers notebook users on the go prompt, reliable coverage in major geographies of the world, for 3 years. For more information on Care Pack services, please visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc).

**Product number: UC909E**

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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> Sold separately or as an optional feature.
- <sup>3</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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.
- <sup>4</sup> HP BIOSphere Gen3 features may vary depending on the PC platform and configurations.
- <sup>5</sup> Requires Windows.
- <sup>6</sup> Skype for business subscription required.
- <sup>7</sup> 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.
- <sup>8</sup> 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.

## 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.windows.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> 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> 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.
- <sup>5</sup> Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.
- <sup>6</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>7</sup> DVD-Writer does not support DVD RAM. Don't copy copyright protected materials.
- <sup>8</sup> Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
- <sup>9</sup> HP SoftPaq Download Manager (SDM); HP System Software Manager (SSM); HP Microsoft Integration Kit for Microsoft System Center Configuration Manager: Not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>10</sup> WWAN module is optional and 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.
- <sup>11</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.
- <sup>12</sup> HD content required to view HD images.
- <sup>14</sup> 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](http://www.hp.com/go/eprintcenter)).
- <sup>16</sup> HP Client Catalog not preinstalled, coming soon at <http://www.hp.com/go/clientmanagement>.
- <sup>17</sup> LANDESK Management subscription required.
- <sup>18</sup> HP BIOSphere available only on business PCs with HP BIOS.
- <sup>19</sup> Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.
- <sup>20</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>21</sup> 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](http://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.
- <sup>22</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 PC.
- <sup>23</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>24</sup> EPEAT<sup>®</sup> 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).
- <sup>25</sup> Lock must be purchased separately.

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