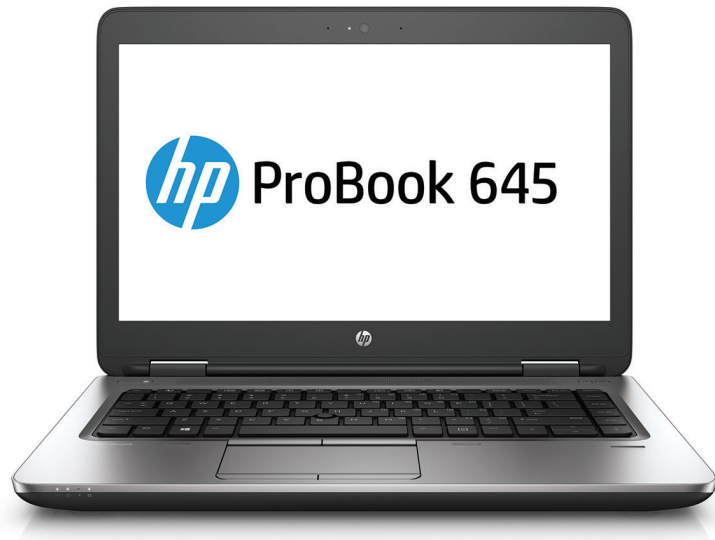


# HP ProBook 645 G2 Notebook PC



## Highly configurable and cost effective

Equip your workforce with HP's most configurable and cost effective notebook PC. Confidently deploy the HP ProBook 645 which combines support for legacy features that provide long-term stability with modern security for today's business.



- Windows 10 Pro<sup>1</sup>
- Screen Size: 35,56 cm (14") diagonal

### Easily fits existing IT infrastructure

- Help get the most out of existing IT investments with legacy feature support available on the HP ProBook 645 like an optional optical drive,<sup>2</sup> a standard VGA port, and an RJ-45 connection.

### Cost effective configurations

- The HP ProBook 645 is equipped with powerful AMD APUs<sup>3</sup> and offers a wide range of options allowing businesses to configure the right ProBook for each user's needs.

### Professional-grade

- Create a full featured experience with powerful processors, robust DDR3 memory, and professional-grade peripheral devices like HP Pro Displays and an HP Ultralim dock.<sup>2</sup>

### Executive-class collaboration

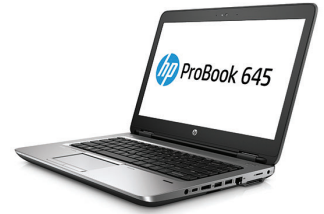
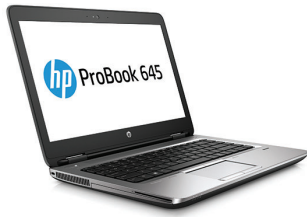
- Interact naturally with your PC using an optional FHD Touch screen and Cortana<sup>4</sup> on Windows 10 Pro.<sup>1</sup> Enjoy impressive collaboration tools like Skype for Business,<sup>5</sup> HP Noise Reduction Software, and a 720p webcam for collaboration on the go.

### 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.
- The hardware BIOS design inspects the integrity of the BIOS code during each boot verifying the code ensuring only HP approved code executes.
- Help suppress ambient noise including keyboard clicks with HP Noise Reduction Software.
- Help make good speakers sound great with the HP Clear Sound Amp.
- DTS Studio Sound™ lets you make the most of virtual conferencing.
- Help protect your ProBook with a spill-resistant HP Premium Keyboard with backlit<sup>2</sup> options available.
- Get the same HP configuration across the globe, available in more than 180 countries where HP conducts business.
- 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>

# HP ProBook 645 G2 Notebook PC

## Specifications Table



<b>Available Operating System</b>	Windows 10 Pro 64 <sup>1</sup> Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) <sup>2</sup> Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro 64) <sup>2</sup> Windows 10 Home 64 <sup>1</sup> Windows 10 Home Single Language 64 <sup>1</sup> Windows 8.1 Pro 64 <sup>20</sup> Windows 8.1 64 <sup>20</sup> Windows 7 Professional 64 <sup>20</sup> Windows 7 Professional 32 <sup>20</sup> FreeDOS 2.0 NeoKylin Linux
<b>Processor Family<sup>3</sup></b>	AMD PRO A-Series APUs
<b>Available Processors<sup>3</sup></b>	AMD PRO A10-8700B APU with Radeon™ R6 Graphics (1.8 GHz, up to 3.2 GHz, 2 MB cache, 4 cores); AMD PRO A8-8600B APU with Radeon™ R6 Graphics (1.6 GHz, up to 3 GHz, 2 MB cache, 4 cores); AMD PRO A6-8500B APU with Radeon™ R5 Graphics (1.6 GHz, up to 3 GHz, 2 MB cache, 2 cores)
<b>Chipset</b>	Chipset is integrated with processor
<b>Maximum Memory</b>	Up to 16 GB DDR3L-1600 SDRAM <sup>4</sup> Standard memory note: Transfer rates up to 1600 MT/s. Both slots are customer accessible/upgradeable. Supports dual channel memory.
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	up to 1 TB SATA (5400 rpm) <sup>5</sup> up to 500 GB SATA (7200 rpm) <sup>5</sup> up to 500 GB SATA SED (7200 rpm) <sup>5</sup> up to 500 GB SATA FIPS 140-2 SED (7200 rpm) <sup>5</sup> up to 500 GB SATA SSHD <sup>5</sup> 128 GB up to 512 GB SATA TLC SSD <sup>5</sup> 180 GB up to 256 GB SATA MLC SSD <sup>5</sup> up to 256 GB M.2 PCIe SSD <sup>5</sup>
<b>Optical Storage</b>	Blu-ray ROM DVD+/-RW SuperMulti DL; DVD+/-RW SuperMulti DL; DVD-ROM <sup>6</sup> (Option of no optical drive.)
<b>Display</b>	35,56 cm (14") diagonal HD SVA anti-glare flat LED-backlit (1366 x 768); 35,56 cm (14") diagonal FHD SVA anti-glare slim LED-backlit (1920 x 1080); 35,56 cm (14") diagonal FHD SVA slim LED-backlit touch screen (1920 x 1080) <sup>10</sup>
<b>Available Graphics</b>	Integrated: AMD Radeon™ R5; AMD Radeon™ R6
<b>Audio</b>	HD audio with DTS Studio Sound™; two integrated stereo speakers; Dual array microphones; Headphone and microphone combo jack <sup>10</sup>
<b>Wireless Technologies</b>	HP t4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module; HP hs3110 HSPA+ Mobile Broadband; Intel® 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.1 Combo; Intel® 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.1 Combo; Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo; Broadcom 802.11b/g/n (1x1) WiFi and Bluetooth® 4.0 Combo; Realtek 802.11b/g/n (1x1) Wi-Fi; Near Field Communication (NFC) module (optional) <sup>18</sup> (Support for Miracast (Windows 8.1 and Windows 10))
<b>Communications</b>	Realtek RTL8111HSH Gigabit Ethernet
<b>Expansion Slots</b>	1 media card reader (Supports SD, SDHC, SDXC.)
<b>Ports and Connectors</b>	1 USB 3.0; 1 USB 3.0 charging; 1 USB Type-C™; 1 DisplayPort; 1 VGA; 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 docking connector
<b>Input Device</b>	HP Premium Spill-Resistant Keyboard; HP Premium Spill-Resistant Backlit Keyboard (optional); HP Premium Spill-Resistant Backlit Keyboard and Dual Point (optional) Touchpad with on/off button, supports 2-way scroll, taps and gestures enabled by default, two-finger scrolling, two finger zoom (pinch)
<b>Webcam</b>	720p HD webcam (optional) <sup>10</sup>
<b>Available Software</b>	HP Client Security; HP BIOSphere; HP Client Management Solutions; HP Touchpoint Manager; HP ePrint Driver; HP Mobile Connect Pro; HP Noise Reduction Software; HP Support Assistant; HP Pixel Sharp <sup>11,12,13,14,15,16,17</sup>
<b>Security Management</b>	HP Client Security; HP BIOSphere; Optional Self-Encrypting or FIPS Certified Storage Drives; Security lock slot (lock must be purchased separately); TPM 1.2; Integrated smart card reader (active); Preboot Authentication (password, Smart Card); HP Fingerprint reader (optional)
<b>Power</b>	45 W Smart AC adapter; 65 W Smart AC adapter HP Long Life 3-cell, 48 Whr Li-ion prismatic
<b>Dimensions</b>	34 x 23.7 x 2.7 cm
<b>Weight</b>	Starting at 1.95 kg (Weight will vary by configuration.)
<b>Environmental</b>	Low halogen <sup>19</sup>
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified configurations available
<b>Warranty</b>	1 year standard parts and labour limited warranty, depending on country (upgrades available), 1 year limited warranty on primary battery

## HP ProBook 645 G2 Notebook PC

### Accessories and services (not included)

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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 External USB DVDRW Drive



Connect the HP External USB DVD/RW to any available USB port on your PC<sup>1</sup> to get immediate read/write access to your optical media.

**Product number: F2B56AA**

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#### 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**

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#### 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**

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#### HP Slim Wireless Keyboard and Mouse



Boost productivity and maximize your workspace with the stylish and compact HP Slim Wireless Keyboard and Mouse, designed to complement the 2015 class of HP Business PCs.

**Product number: T6L04AA**

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#### HP 3 year Next business day Onsite Notebook Only Service



Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.

**Product number: U4391E**

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# HP ProBook 645 G2 Notebook PC

## 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.microsoft.com>.
- <sup>2</sup> Sold separately or as an optional feature.
- <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. AMD's numbering is not a measurement of clock speed.
- <sup>4</sup> Cortana experience may vary by device, region and requires Windows 10. Apps sold separately.
- <sup>5</sup> Skype for business subscription required.
- <sup>6</sup> HP Touchpoint Manager requires purchase of a subscription and supports Android™, iOS and Windows 7 or higher 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.

## 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.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> 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. AMD's numbering is not a measurement of clock speed.
- <sup>4</sup> Maximum memory capacities assume Windows 64-bit operating systems. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
- <sup>5</sup> For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 7, 8 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. 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>7</sup> 802.11 wireless is an optional feature. Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
- <sup>8</sup> WWAN is an optional feature 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, and in all regions.
- <sup>9</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>10</sup> HD content required to view HD images.
- <sup>11</sup> HP Client Security requires Windows. Self Encrypting HDs (SEDs) are not supported if the encryption pin is enabled by the user.
- <sup>12</sup> HP BIOSphere features may vary depending on the PC platform & configuration.
- <sup>13</sup> HP Client Management Solutions are sold separately.
- <sup>14</sup> HP Touchpoint Manager requires purchase of a subscription and supports Android™, iOS and Windows 7 or higher 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.
- <sup>15</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/businessmobileprinting](http://www.hp.com/go/businessmobileprinting)).
- <sup>16</sup> HP Mobile Connect Pro local country plans are available in UK, Ireland, Belgium, Netherlands, Luxembourg and Fearless Roaming plans are available in Germany, France, Spain and Poland. Please visit <http://www.hp.com/go/mobileconnect>.
- <sup>17</sup> HP Support Assistant requires Windows
- <sup>18</sup> This product ships with TPM 1.2 with option to upgrade to TPM 2.0. Upgrade utility is expected to be available by the end of 2015 via HP Customer Support.
- <sup>19</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
- <sup>20</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. See <http://www.microsoft.com>.

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