



# HP ProBook 455 G8 Notebook PC

Modern design for today's workstyles

With a new compact design, the HP ProBook 455 Laptop PC delivers commercial performance, security, and durability to professionals at growing companies who move from desk to meeting room to home.



HP recommends Windows 10 Pro for business

#### A new design for wherever work takes you

- The compact, light, slim chassis with aluminum components is easy to carry from place to place. An optional high-brightness display<sup>3</sup> provides over an 87-percent screen-to-body ratio and a new keyboard delivers a quiet and responsive experience.

#### Multi-layered security protection

- Your growing business requires the protection of a PC with commercial-grade security features. The HP ProBook 455 is enhanced with security and privacy from the BIOS up.

#### Solid performance

- Power through your day with the latest optional AMD<sup>®</sup> Ryzen<sup>™</sup> PRO 4-core processor<sup>2,4</sup> and fast, upgradeable dual channel SODIMM memory<sup>5</sup>, the HP ProBook 455 drives performance with long battery life and high-speed solid-state drives.
- A lightweight chassis with aluminum components brings a stylish look. Confidence in performance comes from 120,000 hours of the HP Total Test Process and MIL-STD 810H testing.<sup>6,7</sup>
- Get through your deadline-driven, multi-tasking day using the latest optional AMD Ryzen<sup>™</sup> Pro 4 core processors with outstanding graphics performance.<sup>2,4</sup>
- Get going fast with Connected Modern Standby and wake your PC from the optional match-on-sensor fingerprint sensor.<sup>3</sup>
- Enjoy the consistent feel and extremely quiet typing experience of the redesigned keyboard with rubber dome keys.
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen6, the self-healing BIOS that automatically recovers itself from attacks or corruption.<sup>8</sup>
- Fortify your security by using multiple factors of authentication including optional fingerprint and facial recognition.<sup>3</sup>
- The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit-speed Wi-Fi 6.<sup>9,10</sup>
- Instantly block prying eyes by making your screen appear dark and unreadable from the side with optional HP Sure View Gen3.<sup>11</sup>
- Get peace-of-mind with a built-in HP Privacy Camera that blocks the lens of your camera.<sup>12</sup>

## HP ProBook 455 G8 Notebook PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business <sup>1,2</sup> Windows 10 Pro 64 (National Academic only) <sup>1,2,3</sup> Windows 10 Home 64 <sup>1,2</sup> Windows 10 Home Single Language 64 <sup>1,2</sup> Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1,2</sup> FreeDOS
Processor family <sup>7</sup>	AMD Ryzen™ processor
Available Processors <sup>4,5,6,7,33</sup>	AMD Ryzen™ 3 5400U (up to 4.0 GHz max boost clock, 10 MB L3 cache, 4 cores) AMD Ryzen™ 7 5800U with Radeon™ Graphics (1.9 GHz base clock, up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores) AMD Ryzen™ 5 5600U with Radeon™ Graphics (2.3 GHz base clock, up to 4.2 GHz max boost clock, 16 MB L3 cache, 6 cores) AMD Ryzen™ 5 PRO 5650U with Radeon™ Graphics (2.3 GHz base clock, up to 4.2 GHz max boost clock, 16 MB L3 cache, 6 cores) AMD Ryzen™ 7 PRO 5850U with Radeon™ Graphics (1.9 GHz base clock, up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores)
Display size (diagonal)	15.6"
Maximum memory	32 GB DDR4-3200 SDRAM <sup>8</sup> Both slots are accessible/upgradeable by IT or self-maintainers only. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	128 GB up to 1 TB PCIe® NVMe™ M.2 SSD TLC <sup>9</sup> 256 GB up to 512 GB PCIe® NVMe™ Value M.2 SSD <sup>9</sup>
Display <sup>12,13,14</sup>	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 1000 nits, 72% NTSC, HP Sure View integrated privacy screen 15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, low power, 72% NTSC 15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC 15.6" diagonal, HD (1366 x 768), narrow bezel, anti-glare, 250 nits, 45% NTSC
Available Graphics	Integrated: AMD Radeon™ Vega Graphics <sup>12</sup> (Support HD decode, DX12, HDMI 1.4.)
Audio	Dual stereo speakers, dual array microphones
Expansion slots	1 microSD (Supports SD, SDHC, SDXC.)
Ports and Connectors	3 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 1.4b; 1 AC power (HDMI cable sold separately.)
Available Keyboards	HP Premium Keyboard – spill resistant, optional backlit keyboard with drain and DuraKeys
Available Pointing Devices	Clickpad with multi-touch gesture support
Communications <sup>10,32,11</sup>	Realtek 10/100/1000 GbE NIC Intel® Wireless-AC 9260 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo, non-vPro® Realtek 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo Intel® Wi-Fi 6 AX200 (2x2) and Bluetooth® 5 combo
Camera <sup>12</sup>	720p HD camera; IR Camera (select models)
Software <sup>15</sup>	HP Connection Optimizer; HP Image Assistant; HP Hotkey Support; HP Noise Cancellation Software; Buy Office (Sold separately); HP Power Manager; HP WorkWell; myHP; HP Privacy Settings; HSA Fusion for Commercial; HSA Telemetry for Commercial; Touchpoint Customizer for Commercial; HP Notifications; HP Wireless Button Driver
Security management <sup>18,19,20,21,22,23,24,25,26,27</sup>	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; Preboot authentication; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; Windows Defender; HP BIOSphere Gen5; HP Sure Sense; BIOS Update via Network; Support for chassis padlocks and cable lock devices; HP Client Security Manager Gen6; HP Sure Start Gen6; HP Sure Admin
Fingerprint reader	Fingerprint sensor (select models)
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen3; HP Client Management Script Library (download) <sup>16,17</sup>
Power <sup>28</sup>	HP Smart 65 W External AC power adapter; HP Smart 65 W EM External AC power adapter; HP Smart 45 W External AC power adapter; HP Smart 65 W USB Type-C® adapter; HP Smart 45 W USB Type-C® adapter
Battery type	HP Long Life 3-cell, 45 Wh Li-ion polymer Battery is internal and not replaceable by customer. Serviceable by warranty.
Battery life <sup>34</sup>	Up to 14 hours and 45 minutes
Dimensions	14.14 x 9.2 x 0.78 in; 35.94 x 23.39 x 1.99 cm
Weight	Starting at 3.83 lb; Starting at 1.74 kg (Weight will vary by configuration.)
Energy efficiency compliance <sup>30</sup>	ENERGY STAR® certified; EPEAT® 2019 registered where applicable. EPEAT® registration varies by country. See <a href="http://www.epeat.net">www.epeat.net</a> for registration status by country.
Sustainable impact specifications <sup>31,35</sup>	Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable
Warranty <sup>29</sup>	HP Services offers 3-year and 1-year limited warranties and 90 day software limited warranty options depending on country. 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. 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> .

## HP ProBook 455 G8 Notebook PC

### Accessories and services (not included)

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HP Wireless Multi-Device 630M Mouse

Product number: 1D0K2AA

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HP Thunderbolt Dock 120W G2



Reinvent docking and boost productivity with our most versatile Thunderbolt™ dock, the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability<sup>1</sup>, it delivers USB-C™<sup>2</sup> device connectivity and optional integrated audio.<sup>3</sup>  
Product number: 2UK37AA

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HP Executive 15.6 Top Load



Take on the world in style with an HP Executive Series notebook case that provides a polished, professional look. The sleek profile and premium materials make a bold statement and keep your devices and data on lockdown. Traveling is a breeze and device-charging is easy—even from outside the bag.  
Product number: 6KD06AA

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HP Wired Desktop 320MK Mouse and Keyboard



Work efficiently and enhance your everyday productivity with the reliable HP Wired Desktop 320MK Mouse and Keyboard.  
Product number: 9SR36AA

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HP USB-C to RJ45 Adapter



Easily connect to your network through your notebook or tablet's USB-C™ power-in port with the HP USB-C™ to RJ45 Adapter.  
Product number: V7W66AA

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Additional Services (Not included)



HP Care Pack

HP Next Business Day Onsite Hardware Support with Active Care for Notebook U18KTE (for 1 year platforms)  
U18L6E (for 3 year platforms)

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## HP ProBook 455 G8 Notebook PC

### Messaging Footnotes

- <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. AMD's numbering, branding and/or naming is not a measurement of higher performance.
- <sup>3</sup> Optional feature that must be configured at purchase.
- <sup>4</sup> 4-core processor sold separately or as an optional feature.
- <sup>5</sup> Dual channel memory is sold separately or as an optional feature. 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>6</sup> HP Total Test Process testing is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- <sup>7</sup> MIL STD testing 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. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- <sup>8</sup> HP Sure Start Gen6 is available on select HP PCs.
- <sup>9</sup> 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.
- <sup>10</sup> 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.
- <sup>11</sup> HP Sure View Gen3 integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- <sup>12</sup> HP Sure View Gen3 integrated privacy screen is designed to function in landscape orientation.

### 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> HP tested Windows 10, version 1809 on this platform. For testing information on newer versions of Windows 10, please see <https://support.hp.com/document/c05195282>.
- <sup>3</sup> Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- <sup>4</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>5</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>6</sup> AMD Max Burst frequency performance varies depending on hardware, software and overall system configuration.
- <sup>7</sup> 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>8</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>9</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>10</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior 802.11 specs.
- <sup>11</sup> The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
- <sup>12</sup> HD content required to view HD images.
- <sup>13</sup> Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>14</sup> HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- <sup>15</sup> HP Connection Optimizer requires Windows 10.
- <sup>16</sup> HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>17</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>18</sup> Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: <https://www.absolute.com/about/legal/agreements/absolute/>
- <sup>19</sup> 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™.
- <sup>20</sup> Firmware TPM is version 2.0.
- <sup>21</sup> HP Sure Click requires Windows 10. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>22</sup> Windows Defender Opt in and internet connection required for updates.
- <sup>23</sup> HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- <sup>24</sup> HP Sure Sense requires Windows 10.
- <sup>25</sup> HP Sure Start Gen6 is available on select HP PCs.
- <sup>26</sup> HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
- <sup>27</sup> HP Fingerprint Sensor is an optional feature and requires configuration at purchase.
- <sup>28</sup> Availability may vary by country.
- <sup>29</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 <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>30</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>31</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>32</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>33</sup> AMD Ryzen™ PRO processors are planned to be available in June 11, 2021.
- <sup>34</sup> Windows 10 MM18 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>35</sup> 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

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