

Data sheet



# HP Elite Tower 800 G9 Desktop PC

A power user's PC

Take your work to a new level of productivity with the HP Elite Tower 800 Desktop PC. Able to handle complex programs, rendering, and VR-ready content<sup>3</sup> this high performance, expandable, and highly secure PC is ready for the most demanding workloads.



\*Product image may differ from actual product

HP recommends Windows 11 Pro for business

## Exhilarating performance

- Quickly manage large projects across multiple applications simultaneously with dynamic performance from the latest Intel® processor<sup>2</sup>, fast SSD storage, and DDR5 memory.

## Connect multiple displays

- Keep all your workstreams in view with the ability to connect up to eight monitors<sup>5</sup> with an optional flex video port and optional high-end NVIDIA® GeForce® RTX 3070 graphics<sup>4</sup> that are ready to take on your VR projects.

## Protected by HP Wolf Security

- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.<sup>6</sup>

## Help protect our shared future

- At least 50 percent of all plastic used in this PC is post-consumer recycled plastic.<sup>7</sup> The outer box packaging is 100 percent sustainably sourced.<sup>8</sup> This PC is ENERGY STAR® certified and EPEAT® registered in 23 countries.<sup>9</sup>
- Focus on work while enjoying whisper quiet operation. The HP Elite 800 Tower utilizes HP Run Quiet Design that finely tunes the fans to keep systems running quiet and cool.
- Quickly access and transfer data to keep up with today's changing business requirements with advanced PCIe Gen 4 SSDs, USB Type-C®, and DDR5 memory.
- Improve connectivity in crowded wireless environments while on Wi-Fi® with HP Extended Range Wireless LAN that allows greater distance from transmission point and fast data throughput at shorter ranges.<sup>14</sup>
- Rest easy with a PC that undergoes 120,000 hours of HP's Total Test Process and MIL-STD 810 testing. Help extend protection with an optional removable dust filter.<sup>4,15,16</sup>

# HP Elite Tower 800 G9 Desktop PC Specifications Table



\*Product image may differ from actual product

Available Operating Systems	Windows 11 Pro <sup>1</sup> Windows 11 Pro Education <sup>1</sup> Windows 11 Home – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Home Single Language – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade) <sup>1,2</sup> Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> FreeDOS (Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).)
Processor family	13th Generation Intel® Core™ i9 processor; 13th Generation Intel® Core™ i7 processor; 13th Generation Intel® Core™ i5 processor; 13th Generation Intel® Core™ i3 processor; 12th Generation Intel® Core™ i9 processor; 12th Generation Intel® Core™ i7 processor; 12th Generation Intel® Core™ i5 processor; 12th Generation Intel® Core™ i3 processor
Available Processors <sup>4,5,6</sup>	Intel® Core™ i5-12600 with Intel® UHD Graphics (3.3 GHz P-core base frequency, up to 4.8 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12500 with Intel® UHD Graphics (3.0 GHz P-core base frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12400 with Intel® UHD Graphics (2.5 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads); Intel® Core™ i3-12300 with Intel® UHD Graphics (3.5 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads); Intel® Core™ i3-12100 with Intel® UHD Graphics (3.3 GHz P-core base frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads); Intel® Core™ i9-12900 with Intel® UHD Graphics (1.8 GHz E-core base frequency, 2.4 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, up to 2.1 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro® Technology; Intel® Core™ i7-12700 with Intel® UHD Graphics (1.6 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 3.6 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 8 P-cores and 4 E-cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i3-13100 (4.5 GHz P-core base frequency, up to 3.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 8 P-cores and 0 E-cores, 8 threads); Intel® Core™ i9-13900 (1.5 GHz E-core base frequency, 2.0 GHz P-core base frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 36 MB L3 cache, 8 P-cores and 16 E-cores, 32 threads), supports Intel® vPro® Technology; Intel® Core™ i7-13700 (1.5 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 4.1 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro® Technology; Intel® Core™ i5-13500 (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.5 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology
Chipset	Intel® Q670 (vPro®)
Form factor	Tower
Maximum memory	128 GB DDR5-4800 SDRAM <sup>7,8,9,42,43</sup> Transfer rates up to 4400 MT/s.
Memory slots	4 DIMM
Internal storage	500 GB up to 2 TB SATA HDD <sup>10,21</sup> up to 500 GB SATA SED Opal 2 HDD <sup>10,21</sup> 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD <sup>10,21</sup> 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD <sup>10,21,46</sup> 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD <sup>10,21</sup> 256 GB PCIe® NVMe™ OPAL 2 M.2 SSD <sup>10,21</sup>
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM <sup>3</sup> (##opticaldriveavalnote##)
Available Graphics	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770 Discrete: NVIDIA® T1000 (8 GB GDDR6 dedicated); NVIDIA® T400 (4 GB GDDR6 dedicated); NVIDIA® GeForce RTX™ 3070 (8 GB GDDR6 dedicated) with LHR; NVIDIA® GeForce RTX™ 3060 (12 GB GDDR6 dedicated); NVIDIA® GeForce RTX™ 3050 (8 GB GDDR6 dedicated); Intel® Arc™ A380 Graphics (6 GB GDDR6 dedicated); AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated) <sup>13,18,43</sup>
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and QMTP headset support
Expansion slots	1 M.2 2230; 2 PCIe 3 x1; 1 PCIe 3 x16 (wired as x4); 2 M.2 2280; 1 PCIe 4 x16 (1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage)
Memory card device	1 5-in-1 SD media card reader
Ports and connectors	Front: 1 headphone/microphone combo; 4 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C® 20Gbps signaling rate; Rear: 3 USB Type-A 5Gbps signaling rate; 1 HDMI 1.4; 1 RJ-45; 1 audio line-in/line-out; 2 DisplayPort™ 1.4a; 3 USB 2.0 Type-A; Optional Ports: Add-on card: 1 serial and PS/2 ports combination; Add-on port: 1 serial; Flex ID port – choose one of the following options: 1 DisplayPort™ 1.4a, 1 HDMI 2.1, 1 VGA, 1 serial, 1 Dual SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (15W output, DisplayPort™ 1.4), 1 Thunderbolt™ 3 (40Gbps signaling rate) with SuperSpeed USB Type-C® 10Gbps signaling rate PCIe® card <sup>11,14</sup>
Input devices	HP PS/2 Business Slim Keyboard; HP USB Business Slim SmartCard C0ID Keyboard; HP 125 Wired Keyboard; HP 125 Antimicrobial Wired Keyboard; HP 655 Wireless Keyboard and mouse combo; HP USB 320K Keyboard <sup>11</sup> ; HP PS/2 mouse; HP Wired Desktop 320M mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse <sup>11</sup> ;
Communications	LAN: Intel® Ethernet Network Adapter I225-T1; Intel® I219-LM GbE LOM, vPro® <sup>15</sup> ; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®; Realtek Wi-Fi 6 RTL8852BE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card <sup>14,45</sup> ;
Drive Bays	1 slim ODD; Two 3.5"; 1 removable M.2 SSD bay <sup>12</sup>
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
Software	HP Notifications; HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Connection Optimizer; HP Privacy Settings; HP Desktop Support Utilities; HP Easy Clean; HP Setup Integrated OORE; Buy Microsoft Office (sold separately); HP Services Scan; <sup>20,40,49</sup>
Available software	HP Smart Support <sup>22</sup>
Security management	HP Sure Run; HP Sure Start; HP Sure Click; HP Sure Sense; HP Sure Recover; HP Sure Admin; HP Tamper Lock; <sup>23,26,27,29,30,31,56</sup>
Security Software Licenses	HP Wolf Pro Security Edition <sup>56</sup>
Management features	HP Client Catalog (download); HP Driver Packs (download); HP Cloud Recovery; HP Image Assistant Gen 5 (download); HP Client Management Script Library (download); HP Connect for Microsoft Endpoint Manager; HP Manageability Integration Kit (download); HP Patch Assistant (download) <sup>6,17,18,50</sup>
Power	400 W external power adapter, up to 92% efficiency, active PFC; 260 W internal power adapter, up to 92% efficiency, active PFC; 550 W internal power adapter, up to 92% efficiency, active PFC
Dimensions	33.7 x 30.8 x 15.5 cm
Weight	6.15 kg. (Exact weight depends on configuration.)
Ecolabels	EPEAT® registered <sup>13</sup>
Energy star certified (Series fixed)	ENERGY STAR® certified
Sustainable impact specifications	40% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; Low Halogen; Bulk packaging available; 80 Plus® Platinum power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and I/O strip <sup>34,35,36,37,38,39</sup>

## HP Elite Tower 800 G9 Desktop PC

### Accessories and services (not included)

---

#### HP Z27q G3 QHD Display



Meticulously crafted to surpass every design standard, the HP Z27q G3 QHD Display is composed of authentic aluminum and delivers an impressive, frameless viewing experience. Bring your ideas to life with remarkable color accuracy in precise Quad HD resolution. Refine your work experience and transform your PC into a powerhouse with this 27 inch diagonal screen monitor.

**Product number: 1C4Z7AA**

<sup>1</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>2</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.

---

#### HP Stereo USB Headset G2



Plug right in and get ready to speak and hear clearly all day. With noise-cancelling, comfortable design, and easy adjustment, your sound comfort will carry you from call to call without interference or frustration.

**Product number: 428H5AA**

<sup>1</sup> Google tested to meet Chromebook compatibility standards.

<sup>2</sup> This product works with devices capable of running the latest version of Chrome OS and has been certified to meet Google's compatibility standards. Google is not responsible for the operation of this product or its compliance with safety requirements. Chromebook and the Works With Chromebook badge are trademarks of Google LLC.

---

# HP Elite Tower 800 G9 Desktop 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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- <sup>3</sup> VR content requires optional NVIDIA® GeForce® RTX 3070 graphics card.
- <sup>4</sup> Optional feature that must be configured at the time of purchase.
- <sup>5</sup> Eight monitors sold separately and connection to eight monitors only supported on PCs equipped with NVIDIA® GeForce® RTX 3070 discrete graphics card and compatible flex I/O ports that must be configured at the time of purchase.
- <sup>6</sup> HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: [https://support.hp.com/us-en/document/ish\\_3875769-3873014-16](https://support.hp.com/us-en/document/ish_3875769-3873014-16) as that EULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support.
- <sup>7</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>8</sup> 100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.
- <sup>9</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>10</sup> Based on internal testing of products with and without HP Extended Range Wireless LAN.
- <sup>11</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>12</sup> MIL STD 810 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. 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 is automatically updated and enabled. High speed internet and Microsoft account required. 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 11 Pro software and provision for recovery 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> HD-DVD disks cannot be played on the DVD-ROM drive. No support for DVD-RAM. Actual speeds may vary. Don't copy copyright-protected materials. Double Layer discs can store more data than single layer discs. Discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Flawless playback on all systems is not guaranteed.
- <sup>4</sup> For full Intel® vPro® functionality, Windows 11 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See <http://intel.com/vpro>
- <sup>5</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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- <sup>6</sup> Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See [www.intel.com/technology/turboboost](http://www.intel.com/technology/turboboost) for more information.
- <sup>7</sup> Memory modules support data transfer rates up to 4800 MT/s; system speed up to 4400 MT/s, following Intel's design guideline. Actual data rate is determined by the system configuration.
- <sup>8</sup> System architecture design is 2 DIMMs per channel and the population starts from the furthest memory slot from the processor.
- <sup>9</sup> Symmetric configurations are required for the 2 DIMMs within the same memory channel.
- <sup>10</sup> For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of system disk is reserved for the system recovery software.
- <sup>11</sup> Availability varies by countries.
- <sup>12</sup> PC can only be configured with one of these two available optional features: removable SATA HDD or M.2 SSD bay.
- <sup>13</sup> Sold separately or as an optional feature.
- <sup>14</sup> Thunderbolt™ 3.0 and Serial/PS/2 combo occupies a PCIe slot.
- <sup>15</sup> Intel® Ethernet Network Adapter I225-T1: sold separately or as an optional feature.
- <sup>16</sup> HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.
- <sup>17</sup> HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.
- <sup>18</sup> NVIDIA® GeForce® GTX 3070 graphic card requires the 550W chassis. NVIDIA® GeForce® GTX 3060 graphic card is not available with the 260W chassis.
- <sup>19</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>20</sup> HP Easy Clean requires Windows 10 RS3 and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.
- <sup>21</sup> Starting from November 1st 2023, all shipments will require Windows to be installed on SSD to provide users a better experience. HDD can only be configured as additional data drives and not the boot drive.
- <sup>22</sup> HP Smart Support requires HP TechPulse to be installed. For more information about how to enable or to download HP Smart Support, please visit <http://www.hp.com/smart-support>.
- <sup>23</sup> HP Sure Sense Z is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
- <sup>24</sup> HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 or higher.
- <sup>25</sup> HP Sure Click requires Windows 10 Pro or higher or Enterprise. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>26</sup> HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.
- <sup>27</sup> HP Sure Recover Gen5 with Embedded Reimaging is an optional feature which requires Windows 10 and higher must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
- <sup>28</sup> HP Sure Admin requires Windows 10 or higher, 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>29</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>30</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
- <sup>31</sup> Percentage of ocean-bound plastic contained in each component varies by product.
- <sup>32</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>33</sup> ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>34</sup> 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- <sup>35</sup> Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
- <sup>36</sup> myHP requires Windows OS.
- <sup>37</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.
- <sup>38</sup> To achieve optimal memory speed, HP strongly recommends to use identical memory modules (e.g., same capacity, same part number and from the same supplier) within the same memory channel.
- <sup>39</sup> All memory slots are customer accessible / upgradeable.
- <sup>40</sup> Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
- <sup>41</sup> Usage of the 6GHz band relies on Windows 11 Operating System support. NOTE: The HP 800 G9 TWR/SFF requires Intel® 13th Gen processor to support Wi-Fi 6E and requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported. For HP 800 G9 TWR/SFF without Intel® 13th Gen processors, the product does not support Wi-Fi 6E standard and does not operate under 6GHz band. The product is compatible with 6GHz and other routers, sold separately, which have capability to operate in 2.4GHz and 5GHz, in compliance with Wi-Fi 6 and prior 802.11 specs. The actual throughput depends on network condition and router configuration. Internet service required and public wireless access points are limited. NOTE: Wi-Fi-6E might be restricted by local regulation and only available in countries where Wi-Fi 6E is supported. HP will enable countries in the future by upgrading BIOS in default as the technology becomes available in more regions.
- <sup>42</sup> 256 GB PCIe® NVMe™ TLC M.2 SSD is only available with the 12th generation processors.
- <sup>43</sup> NVIDIA® GeForce® RTX 3050 Graphics card, NVIDIA® T1000 Graphics card, Intel® Arc™ A380 Graphics card are only available with the 13th generation processors.
- <sup>44</sup> HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP TechPulse follows stringent GDPR privacy regulations and is ISO27001, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.
- <sup>45</sup> HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail, please refer to: <https://support.hp.com/us-en/document/c05115630>.
- <sup>46</sup> HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: [https://support.hp.com/us-en/document/ish\\_3875769-3873014-16](https://support.hp.com/us-en/document/ish_3875769-3873014-16) as that EULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support.

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

© Copyright 2023 HP Development Company, L.P. The information contained herein is subject to change without notice. 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.

Intel®, the Intel logo, Intel® Core™, Thunderbolt™, vPro®, and Core Inside are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Bluetooth® is a trademark of its proprietor, used by HP Inc. under license. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. NVIDIA, the NVIDIA logo, and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Bluetooth is a trademark of its proprietor and used by HP Inc. under license. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. All other trademarks are the property of their respective owners.

