HP ProDesk 4 Tower G1i Desktop AI PC

Stay cool under pressure with an expandable, reliable tower

Meet the cost-effective HP ProDesk 4 Tower G1i Desktop AI PC—built to enhance efficiency. Power, performance, and cooling air flow blended with a 13 TOPS NPU[3] helps boost output for people requiring essential compute power for growing business needs.

Essential tools for smooth performance

Drive productivity to complete routine tasks, freeing your time so you can dive into the work you love. Supporting an Intel® Core™ Ultra CPU[2] with 13 TOPS NPU[3], DDR5 RAM[4], and a choice of discrete graphics[4] to elevate your efficiency.

Modular options provide operational efficiency

Dynamically scale and allocate system resources based on current and future business needs. Improve performance with flexible graphics, storage, and memory options[4] and expand functionality with multiple USB ports.

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.[5]



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

Responsible sustainability makes a difference. 100% of HP paper-based packaging is from recycled or certified sustainable sources.[6] And, AC current sensors measure power consumption of your fleet, so you can see power usage and get recommendations to reduce energy use.

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Featuring

HP recommends Windows 11 Pro for business
Work anywhere compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.[1,9]

Intel® multi-core processor
Configure your HP ProDesk 4 Tower G1i for the perfect combination of power, performance, and value. Get an Intel® Core™ Ultra CPU to handle work tasks smoothly and reliably, featuring 13 TOPS NPU for enhanced video conferencing and more.[2,3,4]

Protect your PC with multi-layered security solutions
Enhance your PC's security with the combination of HP BIOSphere and HP Client Security Manager. Together, these solutions offer robust protection at both the software and firmware levels, helping ensure your data stays safe from threats.[10,11]

Hassle-free connectivity
Get a premium connectivity experience, even in dense wireless environments, with a fast and reliable gigabit-speed Wi-Fi 6E connection and Bluetooth® combo.[12,13]

Power to create and do more
Match your desktop's performance to your computing needs. Choose from a range of discrete NVIDIA, Intel, or AMD graphics for advanced to entry-level apps and workloads with NVIDIA® RTX™ 3050, NVIDIA® A400, Intel® Arc™ A380, or AMD RX6300.[4]

Powerhouse memory
Experience the speed and performance to run resource-intensive apps with minimal lag with 4 DIMM memory options up to 64 GB DDR5. Prepare for the future and ensure your system is ready for upcoming software demands with advanced DDR5 technology.[4]

High-performance storage for data-intensive tasks
With support for up to 4 TB on 2x SSD PCIe Gen 4 and up to 2 TB 2x 3.5-inch HDD, keep up with today's business requirements and ensure you have plenty of storage for all your data.[4,14]

Multiple displays for an expansive and immersive visual experience
Enhance productivity with more space for your multi-tasking day on this tower PC with support for up to seven displays. Four standard native video ports and a configurable flex video port provide an expansive visual workspace.[15,16]

Multiple ports for maximum productivity
Easily use existing and new peripherals with a variety of ports. The chassis layout includes a front USB-C® and 3 USB-A ports with 4 USB-A ports and an optional configurable Flex Port on the back of the PC.[4]

Robust security against quantum computing attacks
Fortify your workforce against quantum threats with the built-in HP Endpoint Security Controller (ESC). The latest ESC protects firmware against quantum computer attacks and helps ensure the integrity of sensitive and regulated data.[17]

Work without interruption
Keep productivity high and downtime low with the fully integrated and automated features of the HP BIOSphere firmware ecosystem. Your PCs have extra protection thanks to automatic updates and security checks.[18]

Simplified OS recovery
Advanced malware attacks can destroy your OS and disrupt your business. HP Sure Recover ensures fast, secure, and automated recovery – anywhere, anytime – and is now corporate image ready for fleet deployment.[19]

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Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 11 Pro Education[1] Windows 11 Home - HP recommends Windows 11 Pro for business[1] Windows 11 Home Single Language - HP recommends Windows 11 Pro for business[1] Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement)[1] FreeDOS
Processor family[4]	Intel® Core™ Ultra 7 processor (Series 2) Intel® Core™ Ultra 5 processor (Series 2)
Available Processors[25,26,28,29]	Intel® Core™ Ultra 7 265 (up to 5.3 GHz with Intel® Turbo Boost Max Technology, 30 MB L3 cache, 20 cores, 20 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 245 (up to 5.1 GHz Max Turbo frequency, 24 MB L3 cache, 14 cores, 14 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS),supports Intel® vPro® Technology Intel® Core™ Ultra 5 235 (up to 5 GHz Max Turbo frequency, 24 MB L3 cache, 14 cores, 14 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 225 (up to 4.9 GHz Max Turbo frequency, 20 MB L3 cache, 10 cores, 10 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS)
Neural Processing Unit	Intel® AI Boost
Chipset[28]	Intel® Q870 (vPro®)
Product colour	Jack black
Form factor	Tower
Maximum memory	64 GB DDR5-5600 MT/s; [6,7] Transfer rates up to 5600 MT/s.
Memory slots	4 DIMM
Internal storage	1 TB up to 2 TB SATA HDD[3,32] 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[3,32] 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD[3,32] 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[3,32] 256 GB PCIe® NVMe™ SED Opal 2 M.2 SSD[3,32]
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM
Available Graphics	Integrated: Intel® UHD Graphics 4X[e]; Intel® UHD Graphics 3X[e]; Intel® UHD Graphics 2X[e] Discrete: 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); NVIDIA® A400 (4 GB GDDR6 dedicated)[20]
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 2 PCIe 3 x1; 2 M.2 2280; 1 PCIe 4 x16 [10] (1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage)
Ports and connectors	Front: 1 USB Type-C® 10Gbps signaling rate; 3 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo ; Rear: 2 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 audio line-in/line-out; 3 USB 2.0 Type-A; 1 DisplayPort™ 2.1 ; Optional Ports: Add-on port: 1 serial; Flex IO port - choose one of the following options:1 DisplayPort™ 2.1, 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)[27]
Input devices	HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse combo; HP USB 320K v2 Keyboard; HP USB Business Slim Wired v2 SmartCard CCID Keyboard; HP 125 v2 Wired Keyboard; HP 125 v2 AntiMicrobial Wired Keyboard[9]; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP USB Hardened Optical Wired Mouse; HP Wired 320M Mouse[9]
Communications	LAN: Integrated Intel® I219LM GbE LOM; Intel® I226-T1 PCIe® 2.5 GbE ; WLAN: Realtek Wi-Fi 6E RTL8852CE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card; Realtek Wi-Fi 6 RTL8852BE-VT 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.4 wireless card; Intel® Wi-Fi 6E1 AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®(supporting gigabit data rate); Intel® Wi-Fi 6E1 AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®(supporting gigabit data rate)[12,28]
Drive Bays	Two 3.5" HDD; 1 slim ODD [42]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; Buy Microsoft Office (sold separately)[8]; Edge Customization; HP Connection Optimizer; HP Desktop Support Utilities; HP Documentation; HP Hotkey support; HP Privacy Settings; HP Services Scan[22]; HP Setup Integrated OOBE; HP Smart Support[38]; HP Support Assistant[39]; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP; myHP with Multicamera support; Poly Camera Pro; Poly Lens
Security management	HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase[13]; HP Sure Admin[14]; HP Sure Click[15]; HP Sure Run[16]; HP Sure Sense[17]; HP Sure Recover[18]; HP Sure Start[19]; HP Tamper Lock[40]; Secured-Core PC Enable; Absolute Persistence Module[10]; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere[30]; HP Secure Erase[30,41]
Security Software Licenses	HP Wolf Pro Security Edition[56]

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Management features	HP Client Catalog (download)[24]; HP Client Management Script Library (download); HP Cloud Recovery[11]; HP Connect for Microsoft Endpoint Manager[21]; HP Driver Packs (download)[23]; HP Image Assistant (download)[35]; HP Manageability Integration Kit (download)[36]; HP Patch Assistant (download)[37]
Power	180 W internal power supply, up to 90% efficiency, active PFC; 400 W internal power supply, up to 92% efficiency, active PFC; 280 W internal power supply, up to 92% efficiency, active PFC
Dimensions	33.7 x 30.8 x 15.5 cm; 28.7 x 40 x 49.9 cm (Package)
Weight	5.58 kg; (Weight will vary by configuration)
Ecolabels	EPEAT registered with Climate+[5]
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and I/O strip; 60% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; 80 Plus® Platinum power supplies available; 100% recycled rare earth elements in speaker

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Footnotes

Messaging Footnotes

[2] 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.
[3] Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
[4] Optional features that must be configured at the time of purchase.
[5] HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.
[6] 100% of HP paper-based packaging is from recycled or certified sustainable sources. HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for commercial, personal systems accessories, and spare parts is not included.
[1] 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 11 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
[9] May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
[10] HP BIOSphere features may vary depending on the platform and configuration.
[11] HP Client Security Manager Gen6/Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
[12] Wi-Fi 6E 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 and available in countries where Wi-Fi 6E is supported.
[13] Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 6E (802.11ax) when transferring files between two devices connected to the same router.Requires a wireless router, sold separately, that supports 160 MHz channels.
[14] For hard drives and solid-state drives, GB=1billion bytes, TB = 1 trillion bytes. Actual formatted capacity is less. A portion of system disk is reserved for system recovery software.
[15] Options available for flex port may be limited. Ports must be configured at the time of purchase.
[16] Support for up to seven displays requires NVIDIA® RTX™ 3050, NVIDIA® A400, or Intel® Arc™ A380 discrete graphics card (2 native + 1 optional flex IO + 4 on GFX). Support for up to five displays requires AMD Radeon RX 6300 graphics card (2 native + 1 optional flex IO + 2 on GFX). Choose VGA, HDMI, DisplayPort, or USB-C as optional flex IO port.
[17] Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller (Gen 5). See https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3644ENW .
[18] HP BIOSphere features may vary depending on the platform and configuration.
[19] HP Sure Recover requires Windows 10 and higher and an open network connection. 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.

Specification Footnotes

[1] 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 .
[2] This system is preinstalled with Windows 10 Pro software and also comes with a license for 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.
[3] 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.
[4] Your product does not support Windows 8 or Windows 7. 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
[5] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[6] For DDR5 Memory: memory modules support data transfer rates up to 5600/MTs requires selected i5, i7 or i9 CPUs. Memory configuration without selected CPUs support data transfer rates up to 4800 MT/s. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate. All memory slots are customer accessible / upgradeable.
[7] All memory slots are customer accessible / upgradeable.
[8] Microsoft 365 sold separately and requires Internet access for activation.
[9] Availability may vary by country(Antimicrobial China only).
[10] Absolute Persistence 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/ .
[11] 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, 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 .
[12] Wireless access point and internet service required.
[13] HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.
[14] HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator.
[15] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[16] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[17] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[18] HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover Gen6 with Embedded Reimaging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
[19] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[20] Sold separately or as an optional feature.
[21] 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.
[22] HP Services Scan automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support .
[23] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[24] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .
[25] 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.
[26] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
[27] Ports are optional. Max of one Flex Port (rear) can be configured. Max of one Add-On Card can be configured.
[28] For full Intel® vPro® functionality, Windows 11, 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 .
[29] Some functionality of vPro, such as Intel Active Management Technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependant on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.
[30] HP BIOSphere features may vary depending on the platform and configuration.
[31] 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.
[32] Starting November 1st, 2023, HP PCs with Windows require Windows to be installed on SSD. HDD can only be configured as additional data drives and not as the boot drive.
[33] Wi-Fi 6E 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. And available in countries where Wi-Fi 6E is supported. Wi-Fi 6E 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.
[34] 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. NOTE: Usage of the 6GHz band relies on Windows 11 Operating System support.
[35] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .
[36] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[37] 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 .
[38] HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support .
[39] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[40] HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[41] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.
[42] Slim ODD is sold separately or as an optional feature.
[56] 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 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.

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