HP ProDesk 4 SFF G1i Desktop AI PC

Work smarter with an AI-enabled PC that evolves with you

Redefine efficiency and control with an AI-enhanced PC built to grow with your business. With an Intel® Core™ Ultra CPU[2], 13 TOPS NPU[3], and numerous graphics options[4], this customizable and scalable PC helps meet evolving productivity and security needs.

Modular options keep up with growing businesses

Dynamically scale, improve performance, and expand functionality with multiple USB ports and support for up to seven displays.[4,5,6] This space-saving small form factor PC helps optimize your workspace by sitting horizontally or vertically.

Tested for reliability and durability

Undergoes MIL-STD 810[7] and HP Total Test Process[8] for hardware and systems to help ensure your HP ProDesk 4 SFF G1i meets or exceeds HP durability standards – helping reduce total cost of ownership.

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.[9]



*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.[10] 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 without 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.[1,13]

Intel® multi-core processor
Configure your HP ProDesk 4 SFF G1i for the perfect combination of power, performance, and value. Get up to 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]

Powerhouse memory
Experience the speed and performance to run resource-intensive apps with 2x UDIMM DDR5 memory options up to 64 GB.[4]

Tested for reliability and durability
Undergoes MIL-STD 810 and 120,000 hours of HP Total Test Process for hardware and systems to help ensure your HP ProDesk SFF 4 meets or exceeds HP durability standards – helping reduce total cost of ownership.[7,8]

Power to create and do more
Match your desktop's performance to your computing needs. Choose from a range of discrete NVIDIA or AMD graphics for advanced to entry-level apps and workloads with NVIDIA® A1000, NVIDIA® A400, or AMD RX6300.[4]

Multiple displays for an expansive and immersive visual experience
Enhance productivity with more space for your multi-tasking day on this SFF PC with support for up to seven displays. Four standard native video ports and a configurable flex video port provide an expansive visual workspace.[5,6]

Multiple USB ports
Connect your accessories and other peripherals to this compact desktop PC. Featuring an amazing number of USB ports fitted into this small form factor, with 4 ports on the front and 5 on the rear.

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.[14]

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 3.5-inch HDD, keep up with today's business requirements and ensure you have plenty of storage for all your data.[4,15]

A self-healing solution
Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start, the self-healing BIOS that automatically recovers itself from attacks or corruption.[16]

Configurable ports
This ProDesk SFF 4 comes with a number of useful ports for all your business needs. Choose from a variety of flex port options: RJ45, USB-C with Alt DP 1.4, DisplayPort 2.1, HDMI 2.1, VGA, or serial.[5]

Automatic detection of chassis breaches
With optional intrusion detection, get a pop-up message if the rear cover on this SFF is opened, notifying you so you can take action to protect data and hardware. Case intrusion detection settings are available in the F10 BIOS.[4]

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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] FreeDOS
Processor family[33]	Intel® Core™ Ultra 7 processor Intel® Core™ Ultra 5 processor
Available Processors[29,31,32,33]	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[32]	Intel® Q870
Product colour	Jack black
Form factor	Small form factor
Maximum memory	64 GB DDR5-5600 MT/s; [3,4,9] Transfer rates up to 5600 MT/s.
Memory slots	2 DIMM
Internal storage	1 TB up to 2 TB SATA HDD[5,27] 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[5,27] 512 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD[5,27] 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[5,27] 256 GB PCIe® NVMe™ OPAL 2 M.2 SSD
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM [6]
Available Graphics	Integrated: Intel® Iris® Xᵉ Graphics Discrete: AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated); NVIDIA RTX™ A1000 (8 GB GDDR6 dedicated); NVIDIA RTX™ A400 (4 GB GDDR6 dedicated)[14]
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 2 M.2 2280; 1 PCIe 4 x16; 1 PCIe 4 x1 [11] (1 M.2 2230 slot for WLAN and 2 M.2 2280 slot 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-out; 1 power connector; 3 USB Type-A 480Mbps signaling rate; 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)[35]
Input devices	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[15]; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP USB Hardened Optical Wired Mouse; HP Wired 320M Mouse[15]
Communications	LAN: Integrated Intel® I219LM GbE LOM; Intel® I226-T1 PCIe® 2.5 GbE[12] ; 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)[13,32]
Drive Bays	1 slim ODD
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	Buy Microsoft Office (sold separately)[45]; Edge Customization; HP Connection Optimizer; HP Desktop Support Utilities; HP Documentation; HP Hotkey support; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan[46]; HP Setup Integrated OOBE; HP Smart Support[47]; HP Support Assistant[48]; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP with Multicamera support; Poly Lens
Available software	HP Smart Support[8]
Security management	HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase[16]; HP Sure Admin[17]; HP Sure Click[18]; HP Sure Run[19]; HP Sure Sense[20]; HP Sure Recover[21]; HP Sure Start[22]; HP Tamper Lock[23]; Absolute Persistence Module[10]; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere[28]; HP Secure Erase[28,30]
Security Software Licenses	HP Wolf Pro Security Edition[56]

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Management features	HP Client Catalog (download)[39]; HP Client Management Script Library (download); HP Cloud Recovery[40]; HP Connect for Microsoft Endpoint Manager[41]; HP Driver Packs (download)[42]; HP Image Assistant (download)[43]; HP Manageability Integration Kit (download)[7]; HP Patch Assistant (download)[44]
Power	180 W external power adapter, up to 90% efficiency, active PFC; 280 W internal power adapter, up to 92% efficiency, active PFC
Dimensions	30.3 x 30.8 x 10 cm; 20 x 49.9 x 39.4 cm; 49.8 x 13.2 x 23.5 cm (USA, Brazil and Japan models only) (Package)
Weight	4.53 kg; (Exact weight depends on configuration.)
Ecolabels	EPEAT registered with Climate+[26]
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Bulk packaging 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; 60% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; 80 Plus® Platinum power supplies available[36,37,49,57]

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Footnotes

Messaging 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 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 .
[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 feature that must be configured at the time of purchase.
[5] Options available for flex port may be limited. Ports must be configured at the time of purchase.
[6] Support for up to seven displays requires NVIDIA® A400 and NVIDIA® A1000 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® with DisplayPort as optional flex IO port.
[7] 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.
[8] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[9] 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.
[10] 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.
[13] 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.
[14] HP BIOSphere features may vary depending on the platform and configuration.
[15] 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.
[16] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.

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] Memory modules support data transfer rates up to 5600 MT/s; system speed should follow Intel's design guideline. Actual data rate is determined by the system configuration.
[4] All memory slots are customer accessible / upgradeable.
[5] 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.
[6] Sold separately or as an optional feature. With Blue-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. Don't copy copyright-protected content.
[7] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[8] 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 .
[9] Memory modules support data transfer rates up to 5600 MT/s; system speed should follow Intel's design guideline. Actual data rate is determined by the system configuration.
[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] Sold separately or as an optional feature.
[12] Intel® I226-T1 PCIe® 2.5 GbE: Sold separately or as an optional feature.
[13] Wireless access point and internet service required. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.
[14] Sold separately or as an optional feature.
[15] Availability may vary by country (Antimicrobial China only)
[16] 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.
[17] 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.
[18] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[19] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[20] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[21] 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.
[22] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[23] HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[24] 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.
[25] The HP 400 G9 TWR/SFF requires Intel ® Core ™ processor with DDR5 memory modules 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. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. For HP 400 G9 TWR/SFF without Intel ® Core ™ processors and DDR5 memory modules, the product does not support Wi-Fi 6E standard and does not operate under 6GHz band. The products are 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.
[26] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[27] 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.
[28] HP BIOSphere features may vary depending on the platform and configuration.
[29] 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.
[30] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.
[31] 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 for more information.
[32] For full Intel® vPro® functionality, Windows 10 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
[33] 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.
[34] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
[35] Flex Port and Add-on Card are optional and must be configured at time of purchase. Max of one Flex Port and one Add-on Card can be configured.
[36] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
[37] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[38] Optional vPro® Essentials or vPro® Enterprise.
[39] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .
[40] 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 .
[41] 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.
[42], HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[43] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .
[44] 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 .
[45] Microsoft 365 sold separately and requires Internet access for activation.
[46] 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 .
[47] 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 .
[48] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[49] Percentage of ocean-bound plastic contained in each component varies by product.
[50] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[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.
[57] ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.

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