

HP ProStudio 2 All-in-one G2a 24 Desktop PC

HP Smart Buy
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D64BQAT
DG
Series →

Specifications

All Specs

Audio	Realtek ALC3274 codec, high performance internal speaker, combo microphone/headphone jack, line-in and line-out rear ports (3.5 mm)
Camera	5 MP camera with temporal noise reduction
Color	Jet black
Color gamut	100% sRGB
Dimensions (W x D x H)	54.03 x 18.49 x 43.67 cm (fixed height stand); 54.03 x 18.49 x 47.57 cm (height adjustable stand)
Display	60.5 cm (23.8") diagonal, FHD (1920 x 1080), 100 Hz, IPS, anti-glare, Low Blue Light, 350 nits, 100% sRGB
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Expansion slots	1 M.2 2230; 1 M.2 2280
Expansion slots note	1 M.2 slot for WLAN and 1 M.2 2280 slot for storage.
Form factor	All-in-one
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ 740M Graphics
I/O Port location	Rear
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Keyboard	HP 175C Black Wired Keyboard and Mouse Combo
Manageability Features 1	HP Cloud Recovery
Manageability Features footnote number 1	[12]
Manufacturer Warranty	1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Material Type for item	FERT
Memory	8 GB DDR5-5600 MT/s (1 x 8 GB)

Memory and storage	8 GB memory;512 GB SSD storage
Memory layout (slots & size)	1 x 8 GB
Network interface	Realtek RTL8111HSH-CG GbE
Operating humidity range	10 to 90% RH
Operating system	Windows 11 Home - HP recommends Windows 11 Pro for business
Operating temperature range	50 to 95°F
Package dimensions (W x D x H)	64.1 x 27.7 x 52.5 cm
Package weight	8.5 kg
Ports	Full feature ports: 2 USB Type-C® 20 Gbps signaling rate (with DisplayPort™ Alt Mode), 1 USB Type-A 10 Gbps signaling rate, 2 USB 2.0 Type-A, 1 HDMI 1.4 output, 1 headphone/microphone combo, 1 RJ-45, 1 power connector, 1 Kensington® lock; De-Feature ports: 1 USB Type-C® 20 Gbps signaling rate (with DisplayPort™ Alt Mode), 2 USB Type-A 10 Gbps signaling rate, 2 USB 2.0 Type-A, 1 HDMI 1.4 output, 1 headphone/microphone combo, 1 RJ-45, 1 power connector, 1 Kensington® lock
Power	90 W external AC power adapter, active PFC
Processor	AMD Ryzen™ 5 220 (up to 4.9 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)
Processor cache	16 MB L3
Processor core	6
Processor family	AMD Ryzen™ 5 processor
Product long name specifications	HP ProStudio 2 All-in-one G2a 24 Desktop PC, 23.8", Windows 11 Home - HP recommends Windows 11 Pro for business, AMD Ryzen™ 5, 8GB RAM, 512GB SSD, FHD
Product short name specifications	HP ProStudio 2 All-in-one G2a 24 Desktop PC, 23.8", AMD Ryzen™ 5, 8GB RAM, 512GB SSD
Registration required	No
Security management	HP Wake on WLAN
Security management footnote number	[41]
Software included	Poly Lens
Software included footnote number	[28]
Standard memory note	Transfer rates up to 5600 MT/s.
Storage type	SSD
Sustainable impact specifications	Low Halogen
UNSPSC code	43211521

UPC number	821844020760
Weight	5.28 kg
Wireless	MediaTek Wi-Fi 6 MT7920 (2x2) and Bluetooth® 5.4 wireless card

Logistics

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Specifications

[2] 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. AMD's numbering is not a measurement of clock speed.

[3] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[4] NOTE: 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] Actual data rate is determined by both the system's configured processor and memory module installed.

[6] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) of disk is reserved for system recovery software.

[6] 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. AMD's numbering is not a measurement of clock speed.

[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[9] Keyboards and mice are optional or add-on features.

[10] HP Client Catalog not preinstalled, however available for download at <https://www.hp.com/us-en/solutions/client-management-solutions.html>.

[11] HP Client Management Script Library <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>.

[12] 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/computer>.

[13] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

[14] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 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 802.11ax WLAN devices. Only available in countries where 802.11ax is supported.

[15] Optical drives are optional or add on features. Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives.

[16] 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.

[17] 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.

[18] HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.

[19] HP Image Assistant not preinstalled, however available for download at <https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>.

[20] HP Manageability Integration Kit not preinstalled, however available for download from <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>.

[21] HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-en/document/ish_4449597-351950716.

[24] HP Services Scan is preinstalled and/or provided thru Windows Update and checks for service entitlement on each hardware device and downloads the applicable software agent automatically. To disable this feature, please follow the instructions at <http://www.hpdaas.com/requirements>. The HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to the HP Insights agent is required. For full system requirements, please visit <http://www.hpdaas.com/requirements>. Not available in China.

[25] HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit <http://www.hp.com/smart-support>. HP Services Scan is preinstalled and/or provided thru Windows Update and will check entitlement on each hardware device to determine if an HP Insights agent-enabled service has been purchased, and will download applicable software automatically. HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit <https://www.hpdaas.com/requirements>.

[26] HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant.

[27] MyHP requires Windows 10 or higher OS.

[28] Poly Lens Desktop requires a Windows OS.

[29] Secured-Core PC Enable requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.

[30] HP Wolf Security for Business requires Windows 10 or 11 (Pro or Home) or higher, includes various HP security features and is available on HP X, Ultra, Pro, Elite, Engage and Workstation products. See product details for included security features.

[31] 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 smartphone app from the Android or Apple store.

[32] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.

[33] 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.

[34] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

[35] HP Sure Sense requires Windows 10 and higher. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.

[36] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.

[37] HP Tamper Lock must be enabled by the customer or your administrator.

[38] 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/>.

[39] HP Fingerprint Reader is an optional feature that requires Windows 10 or 11 and must be configured at purchase.

[40] HP BIOSphere features may vary depending on the platform and configuration.

[41] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

Legal disclaimer

Product image may differ from actual product

[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>. Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>.

[2] Poly software planned to be available Summer 2024. Requires Windows OS.

[3] Full high-definition (FHD) content required to view FHD images.

[8] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.