

# HP Pro Tower 280 G9 PCI Desktop PC



Maximize your investment

Take on your everyday work at an affordable price with the HP Pro Tower 280 G9. Get the reliable computing power you need while reducing the total cost of ownership—now that's a smart investment.



\*Product image may differ from actual product

HP recommends Windows 11 Pro for business

## Powered-up processing

- Keep up with daily tasks with performance from up to a 13th Gen Intel® Core™ i7 processor<sup>2</sup>, optional AMD, NVIDIA®, or Intel® discrete graphics<sup>3</sup>, up to 64GB DDR4 memory<sup>3</sup>, and slots for future growth.

## Expansion for the future

- Two bays and two full-height slots, including PCIe x16 and PCIe x1 slots, provide expandability for the future. Featuring USB 3.0, USB 2.0, USB-C™<sup>4</sup> ports and a DisplayPort™<sup>4</sup>, helping ensure broad compatibility with existing technology.

## Help keep data safe

- Help protect your investment and your data with firmware TPM, HP DriveLock<sup>5</sup>, and a physical security lock slot.<sup>6</sup> Additional security is provided by an optional intrusion sensor<sup>7</sup> and an integrated cable lock system to secure your cabled devices.

## Help protect our shared future

- The outer box of the HP Pro Tower 280 G9 is 92 percent sustainably sourced and recyclable. Molded Pulp cushions made from 100% recycled wood fiber and organic materials.<sup>8</sup>
- Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology.<sup>1</sup>
- Configure your HP Pro Tower 200's CPU for the perfect combination of power, snappy performance, and value. With up to a 13th Gen Intel® Core® i7 processor and up to 64GB memory, handle multiple work tasks smoothly and reliably.<sup>2,3</sup>
- Help keep unauthorized users from accessing data on your primary drive. Prevent your primary drive from running without entering a password using HP Drive Lock.<sup>5</sup>
- Spend less time and get right to the updates you need with HP Support Assistant.<sup>10</sup>
- Help secure your PC with a physical security lock slot, an optional intrusion sensor, and an integrated accessory cable lock to secure your cabled mouse and keyboard on the HP Pro Tower 280.<sup>6,7</sup>

## HP Pro Tower 280 G9 PCI Desktop PC Specifications Table



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Available Operating Systems	Windows 11 Pro <sup>1</sup> Windows 11 Home – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 10 Pro (available through downgrade rights from Windows 11 Pro) <sup>1,2,20</sup> FreeDOS
Processor family	Intel® Pentium® processor; Intel® Celeron® processor; 13th Generation Intel® Core™ i7 processor; 13th Generation Intel® Core™ i5 processor; 13th Generation Intel® Core™ i3 processor; 12th Generation Intel® Core™ i7 processor; 12th Generation Intel® Core™ i5 processor; 12th Generation Intel® Core™ i3 processor
Available Processors <sup>3,4,5,20</sup>	Intel® Pentium® Gold G7400 with Intel® UHD Graphics (3.7 GHz base frequency, 6 MB L3 cache, 2 cores, 4 threads); Intel® Celeron® G6900 with Intel® UHD Graphics (3.4 GHz base frequency, 4 MB L3 cache, 2 cores, 2 threads); Intel® Core™ i7-12700 with Intel® UHD Graphics (2.1 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12500 with Intel® UHD Graphics (3.0 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 6 cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12400 with Intel® UHD Graphics (2.5 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 6 cores, 12 threads); Intel® Core™ i5-12400 with Intel® UHD Graphics (3.3 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores, 8 threads) 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™ i5-13400 (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.3 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 20 MB L3 cache, 6 P-cores and 4 E-cores, 16 threads); 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 <sup>3</sup>	Intel® H670; Intel® H770
Form factor	Tower
Maximum memory	64 GB DDR4-3200 SDRAM <sup>6</sup> Transfer rates up to 3200 MT/s.
Memory slots	2 DIMM
Internal storage	500 GB up to 2 TB 7200 rpm SATA HDD <sup>7,20,21</sup> 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD <sup>7,21</sup> 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD <sup>7,20,21</sup>
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM <sup>8</sup> (##opticaldriveavailnote##)
Available Graphics	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770; Intel® UHD Graphics 710 Discrete: AMD Radeon™ RX 6400XT Graphics (4 GB GDDR6 dedicated); NVIDIA® GeForce RTX™ 3050 (8 GB GDDR6 dedicated); AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated); NVIDIA® GeForce RTX™ 4060 (8 GB GDDR6 dedicated) <sup>20</sup>
Audio	Realtek ALC3867 codec, universal audio jack with CTIA headset support, audio line-out rear ports (3.5 mm), multi-streaming capable
Expansion slots	1 full-height PCI; 2 M.2; 1 PCIe 3 x1; 1 PCIe 4 x16 <sup>9,10,11</sup> (1 M.2 slot for WLAN and 1 M.2 2242/2280 slot for storage.)
Ports and connectors	Front: 2 USB Type-A 10Gbps signaling rate, 4 USB Type-A 5Gbps signaling rate, 1 headphone/microphone combo (systems with 12th Generation Intel® Core™ processors); 2 USB Type-A 10Gbps signaling rate, 2 USB Type-A 5Gbps signaling rate, 1 USB Type-C®, 1 USB 2.0 Type-A, 1 headphone/microphone combo (systems with 13th Generation Intel® Core™ processors); Rear: 2 USB 2.0 Type-A, 1 HDMI, 1 VGA, 1 RJ-45, 1 power connector, 1 serial, 1 line in, 1 line out (systems with 12th Generation Intel® Core™ processors); 2 USB 2.0 Type-A, 1 HDMI, 1 DisplayPort™, 1 RJ-45, 1 power connector, 1 serial, 1 line in, 1 line out (systems with 12th Generation Intel® Core™ processors) <sup>11,20</sup> ; Optional Ports: 1 4x serial; 1 parallel; 1 PS/2; 1 serial; 2 USB 2.0 Type-A; 1 3-in-1 SD card reader <sup>20</sup>
Input devices	HP Wired Desktop 320K Keyboard; HP PS/2 Business Slim Keyboard; HP 125 Wired Keyboard; HP 125 Antimicrobial Wired Keyboard; HP PS/2 mouse; HP Wired Desktop 320M mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse;
Communications	LAN: Integrated 10/100/1000M GbE; WLAN: Realtek RTL8821CE 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 wireless card; Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 wireless card; Realtek Wi-Fi 6 RTL8852BE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card;
Drive Bays	Two 3.5" HDD
Environmental	Operating temperature: 0 to 40°C; Operating humidity: 10 to 90% RH;
Software	HP Audio Switch; HP Documentation; HP Setup Integrated OOBE Win10; HP Support Assistant; HP System Event Utility; McAfee LiveSafe™; Buy Office (sold separately); HP JumpStarts; Xerox® DocuShare® 90 day free trial offer; <sup>12,13,20</sup>
Security management	Padlock loop; Trusted Platform Module (TPM) 2.0; Integrated accessories cable lock; Slim cable lock; <sup>14,15,16</sup>
Power	180 W external power adapter, up to 90% efficiency, active PFC; 260 W internal power adapter, up to 92% efficiency, active PFC; 500 W internal power supply, up to 90% efficiency, active PFC; 350 W internal power supply, up to 90% efficiency, active PFC <sup>17</sup>
Dimensions	15.5 x 30.3 x 33.7 cm; (System dimensions may fluctuate due to configuration and manufacturing variances.)
Weight	4.7 kg; (Exact weight depends on configuration.)
Ecolabels	CECP; EPEAT® registered; SEPA <sup>18</sup>
Energy star certified (series fixed)	ENERGY STAR® certified
Sustainable impact specifications	15% post-consumer recycled plastic; 80 Plus® Gold power supplies available <sup>19</sup>

## HP Pro Tower 280 G9 PCI Desktop PC

### Accessories and services (not included)

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#### 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: 428K6AA**

<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.

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#### HyperX DuoCast - USB Microphone (Black) - RGB Lighting



Featuring an elegant design, a low-profile shock mount, and a tasteful RGB light ring, the HyperX DuoCast is a full-featured USB microphone that's built for gaming, working, and content creation. It shares the fan-favorite features of its HyperX mic siblings, such as tap-to-mute, and the vibrant LED mic mute indicator, but also brings its own unique, subtle style. A low-profile shock mount complements the sleek, minimalist aesthetic, while also absorbing vibrations, and taking up less space. An included mount adapter allows for compatibility with most mounts and the versatile DuoCast is also compatible with PC, PS5™, PS4™, and Mac®. Use HyperX NGENUITY Software and customize the RGB light ring to broadcast your own signature style.

**Product number: 4P5E2AA**

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#### HyperX Cloud Buds Black



HyperX's true wireless Cloud Buds are made for busy students and driven people on their grind, people who need to be in two worlds at once. With Bluetooth® wireless connectivity, they'll quickly pair with Bluetooth ready media devices, allowing you to listen to music or podcasts, or take calls while you're on the go. These earbuds feature convenient touch controls, rich, bassy sound, and 3 different sizes of silicon ear tips so you'll get the fit that's right for you. The included charging case gives you freedom to recharge without the cords and keep your earbuds safe and secure when it's time for you to hear the real world again.

**Product number: 56R62AA**

<sup>1</sup> Actual battery life will vary with use and will naturally decrease with time and usage.

Earbuds have up to 4 hours of battery life and up to an additional 22 hours using the charging case.

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## HP Pro Tower 280 G9 PCI 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> Optional feature that must be configured at the time of purchase.
- <sup>4</sup> USB-C™ port and DisplayPort™ only available with 13th Gen PCI support.
- <sup>5</sup> HP DriveLock is not supported on NVMe drives.
- <sup>6</sup> Solenoid lock and cable required and sold separately.
- <sup>7</sup> HP Tamper Lock must be enabled by the customer or your administrator.
- <sup>8</sup> 92 percent outer box packaging made from sustainably sourced certified and recycled fibers. Molded Pulp cushions made from 100% recycled wood fiber and organic materials.
- <sup>9</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>10</sup> Internet access required.

### 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 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.
- <sup>3</sup> Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See <http://intel.com/vpro>.
- <sup>4</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>5</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>6</sup> Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements. Memory modules support data transfer rates up to 3200 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
- <sup>7</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) of disk is reserved for system recovery software.
- <sup>8</sup> 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.
- <sup>9</sup> Card sold separately.
- <sup>10</sup> 4 serial port: optional via PCIe slot, and only available for specific region.
- <sup>11</sup> HDMI/VGA ports will be covered up when a non-internal graphics processor is configured on shipped machine.
- <sup>12</sup> McAfee LiveSafe™: subscription required.
- <sup>13</sup> Simply sign up and start using Xerox® DocuShare® Go. No credit card. No obligation. Data will become unavailable unless a subscription is entered before the end of the 90 day free trial period. See [www.xerox.com/docusharego](http://www.xerox.com/docusharego) for details.
- <sup>14</sup> Security cable lock supported (sold separately).
- <sup>15</sup> TPM feature will be supported on machine pre-configured with FreeDOS, and will be default set as enabled in BIOS setup menu if the machine is dTPM, but will be default set as disabled in BIOS setup menu if the machine is fTPM.
- <sup>16</sup> Physical cable lock for cable management.
- <sup>17</sup> All power supplies are not available in every region.
- <sup>18</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>19</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>20</sup> Available on select skus only.
- <sup>21</sup> Starting November 1, 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.

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#kr-en#, August 2023

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