

# HP ProDesk 600 G5 Desktop Mini PC



Flexible, expandable reliability and performance

Designed to fit the modern workspace, the stylish and ultra-small HP ProDesk 600 Desktop Mini is a powerful, reliable, and highly scalable PC with performance, security, and manageability features built to suit your mid-to-large business.



HP recommends Windows 10 Pro.

- Windows 10 Pro<sup>1</sup>
- Intel® Core™ processors<sup>2</sup>

## Business-ready performance

- Power through your day with a solution you can flexibly configure with up to a 9th Gen Intel® Core™ processor<sup>2</sup> and options that include Intel® Optane™ memory<sup>3</sup> and SSD storage.<sup>4</sup>

## Expansion that extends your investment

- Maximize PC life with dual M.2 slot and traditional SATA storage options.<sup>4</sup> A configurable I/O port allows you to add VGA<sup>4</sup> or serial<sup>4</sup> legacy support or a third video connector<sup>4</sup> for three displays<sup>5</sup> or USB-C™ with 100W Power Delivery.<sup>4</sup>

## Place it where you need it

- Install your Mini securely inside an HP Mini-in-One 24 Display<sup>6</sup> or attach behind an HP display<sup>7</sup>—and power through USB-C™<sup>8</sup>. Mount<sup>9</sup> with space-saving HP accessories.<sup>4</sup> Streamline cabling with USB-C™ or optional HP Power Supply Holder.<sup>4</sup>
- Be productive in any situation with Windows 10 Pro and powerful security, collaboration, and connectivity features from HP.<sup>1</sup>
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen5 self-healing BIOS.<sup>10</sup>
- Help protect your PC from websites and attachments with malware, ransomware or viruses with hardware-enforced security from HP Sure Click.<sup>11</sup>
- The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager.<sup>13</sup>
- Simplify securing your PC. HP Client Security Manager offers a single interface to set up and manage your PC's powerful security features.<sup>12</sup>
- Keep productivity high and downtime low with HP BIOSphere Gen5 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.<sup>14</sup>
- ITDMs can quickly help create, improve, and secure custom Windows images with HP Image Assistant.
- Enjoy always-on, included self-help support built right into your PC, for the life of your PC, with HP Support Assistant.<sup>15</sup>
- Rest easy with a PC that goes the distance, is designed to pass 120,000 hours of HP's Total Test Process and has an optional dust filter to help extend the life of your PC.<sup>16,4</sup>

## HP ProDesk 600 G5 Desktop Mini PC Specifications Table



<b>Available Operating Systems</b>	Windows 10 Pro 64 – HP recommends Windows 10 Pro. <sup>1</sup> Windows 10 Pro 64 (National Academic only) <sup>1,13</sup> Windows 10 Home 64 <sup>1</sup> Windows 10 Home Single Language 64 <sup>1</sup> FreeDOS
<b>Processor family<sup>14</sup></b>	8th Generation Intel® Core™ i3 processor (i3-8100T); 8th Generation Intel® Core™ i7 processor (i7-8700T); 9th Generation Intel® Core™ i3 processor (i3-9100T, i3-9300T); 9th Generation Intel® Core™ i5 processor (i5-9500T, i5-9600T); 9th Generation Intel® Core™ i7 processor (i7-9700T); 9th Generation Intel® Core™ i9 processor (i9-9900T); Intel® Celeron® processor (G4930T is Windows 10 only); Intel® Pentium® processor (G5420T, G5600T are Windows 10 only)
<b>Available Processors<sup>16,20,30</sup></b>	Intel® Celeron® G4930T with Intel® UHD Graphics 610 (3 GHz base frequency, 2 MB cache, 2 cores); Intel® Core™ i3-8100T with Intel® UHD Graphics 630 (3.1 GHz base frequency, 6 MB cache, 4 cores); Intel® Core™ i3-9100T with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i3-9300T with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i5-9500T with Intel® UHD Graphics 630 (2.2 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i5-9600T with Intel® UHD Graphics 630 (2.3 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i7-8700T with Intel® UHD Graphics 630 (2.4 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i7-9700T with Intel® UHD Graphics 630 (2 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 12 MB cache, 8 cores) supports Intel® vPro™ Technology; Intel® Core™ i9-9900T with Intel® UHD Graphics 630 (2.1 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 16 MB cache, 8 cores) supports Intel® vPro™ Technology; Intel® Pentium® Gold G5420T with Intel® UHD Graphics 610 (3.2 GHz base frequency, 4 MB cache, 2 cores); Intel® Pentium® Gold G5600T with Intel® UHD Graphics 630 (3.3 GHz base frequency, 4 MB cache, 2 cores)
<b>Chipset<sup>30</sup></b>	Intel® Q370 (vPro); Intel® Q370 (non-vPro)
<b>Form factor</b>	Mini
<b>Maximum memory</b>	64 GB DDR4-2666 SDRAM <sup>3,4,8</sup> Transfer rates up to 2666 MT/s.
<b>Memory slots</b>	2 SODIMM
<b>Internal storage</b>	500 GB up to 2 TB SATA HDD <sup>2</sup> up to 500 GB SATA SED Opal 2 HDD <sup>2</sup> up to 500 GB SATA SED FIPS HDD <sup>2</sup> 256 GB up to 512 GB SATA SSD <sup>2</sup> 256 GB up to 512 GB SATA SED Opal 2 SSD <sup>2</sup> 256 GB up to 512 GB SATA SED FIPS SSD <sup>2</sup> 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD <sup>2</sup> 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD <sup>2</sup> 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD <sup>2</sup>
<b>Storage acceleration</b>	16 GB NVMe™ Intel® Optane™ Memory for storage acceleration <sup>32</sup>
<b>Available Graphics</b>	Integrated: Intel® UHD Graphics 610; Intel® UHD Graphics 630 (Integrated graphics will depend on processor.)
<b>Audio</b>	Conexant CX20632 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
<b>Expansion slots</b>	1 M.2 2230; 2 M.2 2230/2280 (1 M.2 slot for WLAN and 2 M.2 2230/2280 slots for storage.)
<b>Ports and Connectors</b>	Front: 1 headset connector; 1 USB 3.1 Gen 1; 1 USB 3.1 Gen 2; 1 USB 3.1 Type-C™ Gen 2; 1 headphone connector Rear: 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2 Optional: 1 DisplayPort™ 1.2; 1 serial; 1 VGA; 1 HDMI 2.0; 1 USB 3.1 Type-C™ Gen 2 (DisplayPort™); 1 USB 3.1 Type-C™ Gen 2 (Power Delivery, DisplayPort™) <sup>18</sup>
<b>Input devices</b>	HP USB Conferencing Keyboard; HP USB Business Slim Keyboard; HP USB Value Keyboard; HP Wireless Business Slim Keyboard; HP Wireless Collaboration Keyboard; HP USB Collaboration Keyboard <sup>6</sup> ; HP USB 1000 dpi Laser Mouse; HP USB Antimicrobial Mouse; HP USB Hardened Mouse; HP USB Optical Mouse; HP USB Premium Mouse <sup>6</sup>
<b>Communications</b>	LAN: Intel® I219LM GbE WLAN: Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2 PCIe®, vPro™; Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2 PCIe®, non-vPro™; Realtek RTL8821CE-CG 802.11a/b/g/n/ac (1x1) with Bluetooth® M.2 PCIe®; Realtek RTL8822BE-CG 802.11a/b/g/n/ac (2x2) with Bluetooth® 4.2 M.2 PCIe® <sup>5,30</sup> ;
<b>Drive Bays</b>	One 2.5" <sup>15</sup>
<b>Environmental</b>	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
<b>Available Software</b>	Absolute Persistence module; Buy Office (sold separately); HP Hotkey Support; HP JumpStarts; HP LAN-Wireless Protection; HP Secure Erase; HP Support Assistant; HP Sure Click; HP Wireless Wakeup; Native Miracast Support; Windows Defender <sup>9,17,19,22,23,24</sup>
<b>Security management</b>	DriveLock; Hood sensor; HP BIOSphere; HP Client Security Suite; HP Credential Manager; HP Password Manager; HP Power On Authentication; HP Spare Key; HP Sure Sense; HP Sure Start; Intel® Identity Protection Technology (Intel® IPT); Master Boot Record Security; Power-on password (via BIOS); Pre-boot Authentication; RAID configurations; SATA port disablement (via BIOS); Serial enable/disable (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; TPM 2.0 (Firmware: 7.85) endpoint security controller (Infineon SLB9670) shipped with Windows 10. Common Criteria EAL4+ Certified. FIPS 140-2 Level 2 Certified; USB enable/disable (via BIOS) <sup>7,21,25,28,29</sup>
<b>Management features</b>	HP BIOS Config Utility (download); HP Client Catalog (download); HP Cloud Recovery; HP Driver Packs (download); HP Image Assistant; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2; HP System Software Manager (download); Ivanti Management Suite; Update BIOS via Cloud or Network (BIOS feature) <sup>10,26,27,33</sup>
<b>Power</b>	65 W external power adapter, up to 89% efficiency
<b>Dimensions</b>	17.7 x 17.5 x 3.4 cm
<b>Weight</b>	1.25 kg (Exact weight depends on configuration.)
<b>Energy efficiency compliance</b>	ENERGY STAR® certified; EPEAT® 2019 registered where applicable <sup>11</sup>
<b>Environmental specifications</b>	Low halogen <sup>12</sup>

## HP ProDesk 600 G5 Desktop Mini PC

### Accessories and services (not included)

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#### HP Quick Release Bracket 2



Use the HP Quick Release Bracket 2 to attach your HP Desktop Mini to an HP display<sup>1</sup> and a variety of stands, arms or wall mounts.<sup>2</sup> The failsafe "Sure-Lock" mechanism snaps the PC securely in place, and can be further secured with a theft-deterrent security screw. Proven performance and reliability to deliver maximum investment protection. Offering the perfect combination of performance, reliability and investment protection to any IT environment. For businesses that require superior stability and manageability with low lifecycle costs, or desktops with proven technology, superior price/performance and a wide choice of features, or even entry-level PCs that balance price and essential computing capabilities – the HP Desktop family holds the solution.

**Product number: 6KD15AA**

#### 4AA7-5393EEAP HP 3-year Next Business Day Onsite Optional Customer Self Repair Desktop/Workstation Only Hardware Service



HP Care Pack

Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. For more information on Care Pack services, please visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc).

**Product number: UE379E**

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## HP ProDesk 600 G5 Desktop Mini PC

### Messaging 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 10 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>.
- <sup>2</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>3</sup> Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, and ZBook Studio 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type Z280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in an x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
- <sup>4</sup> Sold separately or as an optional feature.
- <sup>5</sup> Displays sold separately. Support for up to three video outputs via two standard video connectors and an optional third video port connector, which provides the following choices: DisplayPort™ 1.2, HDMI 2.0, VGA or USB Type-C™ with Display™ Output.
- <sup>6</sup> HP Mini-in-One Z4 Display sold separately. PC must be configured with optional USB-C™ with 100W Power Delivery card.
- <sup>7</sup> Display sold separately. See display data sheet on [hp.com](http://hp.com) for mounting bracket guidance.
- <sup>8</sup> Select HP EliteDisplays support USB-C™ Power Delivery. See display data sheet on [hp.com](http://hp.com) for guidance. PC must be configured with optional USB-C™ with 100W Power Delivery card.
- <sup>9</sup> Mounting hardware sold separately.
- <sup>10</sup> HP Sure Start Gen5 is available on select HP PCs with Intel® processors. See product specifications for availability.
- <sup>11</sup> HP Sure Click is available on select HP platforms and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read-only mode, when Microsoft Office or Adobe Acrobat are installed.
- <sup>12</sup> HP Client Security Manager Gen5 requires Windows and is available on select HP Pro and Elite PCs. See product specifications for details.
- <sup>13</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>14</sup> HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- <sup>15</sup> Requires Windows and Internet access.
- <sup>16</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.

### 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 10 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>.
- <sup>2</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 10) of system disk is reserved for the system recovery software.
- <sup>3</sup> For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 2666 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
- <sup>4</sup> All memory slots are customer accessible / upgradeable.
- <sup>5</sup> Wireless access point and internet service required.
- <sup>6</sup> Availability may vary by country.
- <sup>7</sup> Intel® Identity Protection Technology (Intel® IPT): Models configured with Intel® Core™ processors have the ability to utilize advanced security protection for online transactions. Intel® Identity Protection Technology (Intel® IPT) used in conjunction with participating web sites, provides double identity authentication by adding a hardware component in addition to the usual user name and password. Intel® Identity Protection Technology (Intel® IPT) is initialized through an HP Client Security module.
- <sup>8</sup> Actual data rate is determined by both the system's configured processor and memory module installed.
- <sup>9</sup> Absolute Persistence module: is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
- <sup>10</sup> HP Driver Packs: not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>11</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>12</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>13</sup> Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- <sup>14</sup> 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>
- <sup>15</sup> The 2.5" SATA drive bay can be both HDD and SSD.
- <sup>16</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>17</sup> Native Miracast Support is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- <sup>18</sup> Ports are optional and can be chosen only one by user.
- <sup>19</sup> HP Support Assistant requires Windows and Internet access.
- <sup>20</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>21</sup> Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified): In some scenarios, machines pre-configured with Windows OS might ship with TPM turned off.
- <sup>22</sup> Windows Defender Opt In, Windows 10, and internet connection required for updates.
- <sup>23</sup> HP Sure Click is available on select HP platforms and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read-only mode, when Microsoft Office or Adobe Acrobat are installed.
- <sup>24</sup> HP Secure Erase: for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
- <sup>25</sup> RAID configuration: sold separately or as an optional feature, multiple data drives setup in a RAID array is optional and requires product to be configured with vPro™ at purchase.
- <sup>26</sup> HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2: can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>
- <sup>27</sup> Ivanti Management Suite: subscription required.
- <sup>28</sup> HP Client Security Suite Gen 5: requires Windows and is available on select HP Pro and Elite PCs. See product specifications for details.
- <sup>29</sup> HP Password Manager: requires Internet Explorer or Chrome™ or FireFox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser. HP Sure Start Gen 4: is available on HP ProDesk & ProOne products equipped with Intel® 8th generation processors.
- <sup>30</sup> For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled Q370 chipset and vPro enabled WLAN card are required.
- <sup>31</sup> 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.
- <sup>32</sup> Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type Z280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in an x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
- <sup>33</sup> HP Cloud Recovery is available for 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>.

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