

# HP ProDesk 405 G6 Desktop Mini PC



Power your business with reliable Desktop Mini PCs

Smaller workspaces demand smaller PCs. The affordably priced HP ProDesk 405 Desktop Mini provides your essential workers with the commercial-grade performance they require in a highly secure and scalable PC with flexible deployment capabilities.



HP recommends Windows 10 Pro for business

- HP recommends Windows 10 Pro<sup>1</sup> for business
- AMD<sup>2</sup> Processor

#### Solid performance and configurability

- Power through your day with a solution you can flexibly configure with an AMD Ryzen™ PRO Processor<sup>2</sup> and options that include dual storage drives,<sup>3</sup> M.2 PCIe NVMe SSDs,<sup>3</sup> and up to 64 GB of DDR4 memory.<sup>3</sup>

#### Expandable capability and capacity

- Maximize your PC with dual storage<sup>3</sup> and two flex ports that allows you to add a video port, or an additional USB port.<sup>3</sup> Pair with an HP Mini-in-One 24 Display<sup>4</sup> with a USB Type-C® 3.1 Gen 2 port.<sup>3</sup>

#### Built on a secure foundation

- Protect your Mini with hardware-enforced solutions like HP BIOSphere Gen6<sup>4</sup>, HP Sure Sense<sup>5</sup>, HP Sure Click<sup>6</sup>, and HP Manageability Integration Kit.<sup>7</sup>

#### Tested and ready

- Rest easy with a reliable PC that goes the distance, is designed to pass 120,000 hours of HP Total Test Process<sup>8</sup> and undergoes MIL-STD 810H testing.<sup>9</sup> Help protect your Mini from dust ingress with an optional removable dust filter.<sup>3</sup>
- Support a commitment to create and use more sustainable products. The high-efficiency power supply, use of ocean-bound plastics in the speaker box and molded pulp packaging help reduce the impact on the environment.<sup>10</sup>
- Customize your Mini solution with a range of exclusive accessories that secure and mount your Mini and its power supply on a monitor, wall or almost anywhere.<sup>3</sup>
- Malware is evolving rapidly, and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.<sup>5</sup>
- Simplify securing your PC. HP Client Security Manager Gen6 offers a single interface to set up and manage powerful security features, including HP SpareKey and HP Password Manager.<sup>11</sup>
- Keep productivity high and downtime low with HP BIOSphere Gen6 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.<sup>4</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>7</sup>
- ITDMs can quickly help create, improve, and secure custom Windows images with HP Image Assistant.
- Help protect your PC from websites and read and edit Microsoft Word files and read only PDF attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.<sup>6</sup>
- Enjoy always-on, included self-help support built right into your PC, for the life of your PC.<sup>12</sup>

## HP ProDesk 405 G6 Desktop Mini PC Specifications Table



|                                      |  |
|--------------------------------------|--|
| Available Operating Systems          | Windows 10 Pro 64 – HP recommends Windows 10 Pro for business <sup>1</sup><br>Windows 10 Pro 64 (National Academic only) <sup>1,2</sup><br>Windows 10 Home 64 <sup>1</sup><br>Windows 10 Home Single Language 64 <sup>1</sup><br>FreeDOS   |
| Processor family                     | AMD Athlon™ PRO processor; AMD Ryzen™ 3 PRO processor; AMD Ryzen™ 5 PRO processor; AMD Ryzen™ 7 PRO processor  |
| Available Processors <sup>5,22</sup> | AMD Ryzen™ 3 PRO 3200GE with Radeon™ Vega 8 Graphics (3.3 GHz base clock, up to 3.8 GHz max boost clock, 4 MB L3 cache, 4 cores); AMD Ryzen™ 5 PRO 3400GE with Radeon™ Vega 11 Graphics (3.3 GHz base clock, up to 4.0 GHz max boost clock, 4 MB L3 cache, 4 cores); AMD Athlon™ Gold PRO 3150GE with Radeon™ Graphics (3.3 GHz base clock, up to 3.8 GHz max boost clock, 4 MB L3 cache, 4 cores); AMD Athlon™ Silver PRO 3125GE with Radeon™ Graphics (3.4 GHz base clock, 4 MB L3 cache, 2 cores); AMD Ryzen™ 7 PRO 4750GE with Radeon™ Graphics (3.1 GHz base clock, up to 4.3 GHz max boost clock, 8 MB L3 cache, 8 cores); AMD Ryzen™ 5 PRO 4650GE with Radeon™ Graphics (3.5 GHz base clock, up to 4.2 GHz max boost clock, 8 MB L3 cache, 6 cores); AMD Ryzen™ 3 PRO 4350GE with Radeon™ Graphics (3.5 GHz base clock, up to 4.0 GHz max boost clock, 4 MB L3 cache, 4 cores); AMD Ryzen™ 5 PRO 3350GE with Radeon™ Graphics (3.3 GHz base clock, up to 3.9 GHz max boost clock, 4 MB L3 cache, 4 cores) |
| Chipset                              | AMD PRO 565  |
| Form factor                          | Mini   |
| Maximum memory                       | 64 GB DDR4-3200 SDRAM <sup>6,7,19</sup><br>Transfer rates up to 3200 MT/s for AMD Ryzen™ 4000 series processors. Transfer rates up to 2933 MT/s for AMD Ryzen™ and Athlon™ 3000 series processors.   |
| Memory slots                         | 2 SODIMM   |
| Internal storage                     | 500 GB up to 2 TB SATA HDD <sup>3</sup><br>up to 500 GB SATA SED Opal 2 HDD <sup>3</sup><br>up to 500 GB SATA SED FIPS HDD <sup>3</sup><br>256 GB up to 512 GB PCIe® NVMe™ M.2 SSD <sup>2</sup><br>128 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD <sup>2</sup><br>256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD <sup>2</sup>   |
| Available Graphics                   | Integrated: AMD Radeon™ Graphics<br>(Integrated graphics will depend on processor.)  |
| Audio                                | Realtek ALC3205 codec, internal speaker, combo microphone/headphone jack   |
| Expansion slots                      | 1 M.2 2230; 1 M.2 2280 (1 M.2 slot for WLAN and 1 M.2 2280 slot for storage.)  |
| Ports and Connectors                 | Front: 1 headphone/microphone combo; 1 SuperSpeed USB Type-C® 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate <sup>10,39</sup><br>Rear: 1 RJ-45; 1 HDMI 1.4; 1 DisplayPort™ 1.4; 4 SuperSpeed USB Type-A 5Gbps signaling rate <sup>10</sup><br>Optional Ports: Flex IO port 1 – choose one of the following options: DisplayPort™ 1.4, HDMI 2.0, VGA, serial, SuperSpeed USB Type-C® 10Gbps signaling rate (100W Power Delivery, alternate mode DisplayPort™); Flex IO port 2 – choose one of the following options: 2 USB 2.0 Type-A 480Mbps signaling rate or serial <sup>18</sup>   |
| Input devices                        | HP USB wired keyboard; HP Wired Desktop 320K Keyboard; HP USB and PS2 Washable Keyboard; HP Wireless Business Slim Keyboard and mouse combo; HP USB Business Slim SmartCard CCID Keyboard <sup>16</sup> ; HP USB 1000 dpi Laser Mouse; HP USB and PS/2 Washable Mouse; HP USB Hardened Mouse; HP USB Optical Mouse; HP USB Fingerprint Mouse; HP Wired Desktop 320M Mouse <sup>16</sup> ;  |
| Communications                       | LAN: Realtek RTL8111FPH GbE; WLAN: Intel® Wi-Fi 6 AX200 (2x2) and Bluetooth® M.2 Combo Card non-vPro®; Realtek RTL8821CE 802.11b/g/n/ac (1x1) and Bluetooth® M.2 combo card; Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® M.2 combo card <sup>9</sup> ;  |
| Drive Bays                           | One 2.5" <sup>17</sup>   |
| Environmental                        | Operating temperature: 10 to 35°C;<br>Operating humidity: 10 to 90% RH;  |
| Software                             | HP Noise Cancellation Software; HP Support Assistant; Buy Office (sold separately); HP JumpStarts; HP Desktop Support Utilities <sup>25</sup>  |
| Security management                  | Power-on password (via BIOS); SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); HP Secure Erase; HP Sure Click; HP Sure Sense; HP DriveLock and Automatic DriveLock; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10. (Common Criteria EAL4+ Certified); HP BIOSphere Gen6; HP Client Security Manager Gen6 <sup>21,23,27,29,37,38</sup>   |
| Management features                  | HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); HP Cloud Recovery; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 4; HP Image Assistant Gen 5 <sup>11,35,36</sup>  |
| Power                                | 65 W external power adapter, up to 89% efficiency  |
| Dimensions                           | 17.7 x 17.5 x 3.4 cm   |
| Weight                               | 1.25 kg (Exact weight depends on configuration.)   |
| Energy efficiency compliance         | ENERGY STAR® certified; EPEAT® 2019 registered where applicable <sup>13</sup>  |
| Environmental specifications         | Low halogen <sup>14</sup>  |
| Warranty                             | 1 year (1-1-0) limited warranty and service offering includes 1 year of parts and labor. Terms and conditions vary by country. Certain restrictions and exclusions apply.  |

## HP ProDesk 405 G6 Desktop Mini PC

### Accessories and services (not included)

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#### HP EliteDisplay E243 60.45 cm (23.8") Monitor



Style meets substance in a strikingly modern business display crafted for optimal viewing, productivity, and ergonomics. The HP EliteDisplay E243 60.45 cm (23.8") Monitor has a 3-sided micro-edge bezel for seamless multi-display tiling and 4-way adjustability so you can comfortably power through your day. Proven performance and reliability to deliver maximum investment protection.  
**Product number: 1FH47AA**

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#### HP Desktop Mini I/O Module



Keep working with your existing peripherals and add legacy ports to your HP Desktop Mini PC with the HP Desktop Mini I/O Module. Proven performance and reliability to deliver maximum investment protection.  
**Product number: K9Q84AA**

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#### HP Wireless Business Slim Keyboard and Mouse



Boost productivity and maximize your workspace with the stylish and compact HP Slim Wireless Keyboard and Mouse, designed to complement the 2015 class of HP Business PCs. Enjoy easy data entry and wireless connectivity with the HP Wireless Business Slim Keyboard, designed to complement the 2015 class of HP Business PCs.  
**Product number: N3R88AA**

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#### HP 3 year Next Business Day Onsite Hardware Support for Desktops



Receive 3 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.  
**Product number: U6578E**

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## HP ProDesk 405 G6 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. AMD's numbering is not a measurement of clock speed.
- <sup>3</sup> Sold separately or as an optional feature.
- <sup>4</sup> HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.
- <sup>5</sup> HP Sure Sense requires Windows 10 Pro or Enterprise.
- <sup>6</sup> HP Sure Click requires Windows 10 Pro or Enterprise 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>7</sup> HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.
- <sup>8</sup> 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 Service.
- <sup>9</sup> MIL STD 810H 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.
- <sup>10</sup> Speaker enclosure component made with 5% ocean bound plastic.
- <sup>11</sup> HP Client Security Manager Gen6 requires Windows and is available on the select HP Elite and Pro PCs.
- <sup>12</sup> Requires Windows and internet access.

### 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> 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>3</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of disk is reserved for system recovery software.
- <sup>4</sup> Must be configured at time of purchase.
- <sup>5</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. AMD's numbering is not a measurement of clock speed.
- <sup>6</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>7</sup> All memory slots are customer accessible / upgradeable.
- <sup>8</sup> 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>9</sup> Wireless access point and internet service required.
- <sup>10</sup> 2 front and 2 rear SuperSpeed USB Type-A 5Gbps signaling rate ports, will be upgraded to SuperSpeed USB Type-A 10Gbps signaling rate ports if system is configured with AMD Ryzen™ 4000 series processors.
- <sup>11</sup> HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- <sup>12</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>13</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>14</sup> All power supplies are not available in every region.
- <sup>15</sup> Availability may vary by country.
- <sup>16</sup> The 2.5" SATA drive bay can be both HDD and SSD.
- <sup>17</sup> Ports are optional. Max of one Flex Port 1 can be configured, with Serial port sold separately or as an optional feature. Max of one Flex Port 2 can be configured, and must be configured at time of purchase.
- <sup>18</sup> Actual data rate is determined by both the system's configured processor and memory module installed.
- <sup>19</sup> HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- <sup>20</sup> Max boost for AMD processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost performance varies depending on hardware, software and overall system configuration. See <https://www.amd.com/en/support/kb/faq/cpu-pb2> for more.
- <sup>21</sup> Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
- <sup>22</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.
- <sup>23</sup> HP Support Assistant requires Windows and Internet access.
- <sup>24</sup> Windows Defender Opt In, Windows 10, and internet connection required for updates.
- <sup>25</sup> HP Client Security Manager Gen6 requires Windows and is available on the select HP Elite and Pro PCs.
- <sup>26</sup> Ivanti Management Suite: subscription required.
- <sup>27</sup> HP Sure Click requires Windows 10 Pro or Enterprise. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>28</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>29</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>.
- <sup>30</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>31</sup> HP Sure Sense requires Windows 10 Pro or Enterprise.
- <sup>32</sup> Storage Drivelock does not work with Self Encrypting or Optane™ based storage.
- <sup>33</sup> headphone/microphone combo OMTP and CTIA.

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