

# HP ProDesk 405 G4 Desktop Mini PC



A reliable, future-ready performer

When you need a PC that's ready to evolve with your growing business, the ultra-small HP ProDesk 405 Desktop Mini answers the call with performance, security, and expandability in a compact, stylish design that fits the modern workspace and your budget.



HP recommends Windows 10 Pro.

- Windows 10 Pro<sup>1</sup>
- AMD Athlon™ PRO and Ryzen™ PRO Processors<sup>2</sup>

## Solid performance and configurability

- Power through your day with a solution you can flexibly configure with AMD Ryzen™ PRO Processors<sup>2</sup> and options<sup>3</sup> that include dual storage drives, M.2 PCIe NVMe SSDs, and up to 32 GB of DDR4 memory.

## Expansion that extends your investment

- Maximize PC life with available dual storage<sup>3</sup> and a configurable I/O port that allows you to add VGA<sup>3</sup> or serial<sup>3</sup> legacy support or a third video port connector<sup>3</sup> for three displays<sup>4</sup> or a USB Type C™ 3.1 Gen 2 port.<sup>3</sup>

## Place it where you need it

- Take your footprint down to near zero with a PC that attaches behind an HP display<sup>5</sup>, or mount<sup>6</sup> and secure it almost anywhere with HP accessories.<sup>3</sup> Declutter your space with short cables and rear I/O ports that connect to a range of displays.<sup>3</sup>

## HP-exclusive security and manageability

- Help prevent data breaches and downtime with HP BIOSphere Gen4<sup>7</sup> and protect against web-based attacks with HP Sure Click.<sup>8</sup> Easily manage devices through Microsoft System Center Configuration Manager with the HP Manageability Integration Kit.<sup>9</sup>

## Featuring

- Be productive in any situation with Windows 10 Pro and powerful security, collaboration, and connectivity features from HP.
- Keep productivity high and downtime low with HP BIOSphereGen4 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.
- Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click.
- The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager.
- HP Client Security Manager Gen4 features multi-factor authentication and HP Password Manager. These tools work to keep data out of reach and defend against theft, attacks, and unauthorized users.
- Enjoy always-on, included self-help support built right into your PC, for the life of your PC, with HP Support Assistant.
- Rest easy with a PC that goes the distance and is designed to pass HP's Total Test Process.
- Deploy your HP ProDesk 405 Desktop Mini beyond the desk as a public use PC or a smart kiosk or to drive premium digital signage with its integrated VESA mount.

## HP ProDesk 405 G4 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>2</sup> Windows 10 Home 64 <sup>1</sup> Windows 10 Home Single Language 64 <sup>1</sup> FreeDOS
<b>Processor family<sup>5</sup></b>	AMD Ryzen™ 3 PRO processor; AMD Ryzen™ 5 PRO processor; AMD Athlon™ PRO processor
<b>Available Processors<sup>3,4</sup></b>	AMD Ryzen™ 3 PRO 2200GE Quad-Core with Radeon™ Vega 8 Graphics (3.2 GHz base clock, up to 3.6 GHz max boost clock, 384 KB L1 cache, 2 MB L2 cache, 4 MB L3 cache); AMD Ryzen™ 5 PRO 2400GE Quad-Core with Radeon™ Vega 11 Graphics (3.2 GHz base clock, up to 3.8 GHz max boost clock, 384 KB L1 cache, 2 MB L2 cache, 4 MB L3 cache); AMD Athlon™ PRO 200GE APU Dual-Core with Radeon™ Vega 3 Graphics (3.2 GHz base clock, 192 KB L1 cache, 1 MB L2 cache, 4 MB L3 cache)
<b>Chipset</b>	AMD B350 FCH
<b>Form factor</b>	Mini
<b>Maximum memory</b>	32 GB DDR4-2933 SDRAM <sup>6</sup> Transfer rates up to 2933 MT/s.
<b>Memory slots</b>	2 SODIMM
<b>Internal storage</b>	500 GB up to 1 TB SATA HDD <sup>7</sup> 256 GB up to 512 GB SATA SED FIPS SSD <sup>7</sup> 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD <sup>7</sup> 128 GB up to 512 GB PCIe® NVMe™ TLC M.2 SSD <sup>7</sup> 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD <sup>7</sup>
<b>Available Graphics</b>	Integrated: AMD Radeon™ Vega 11 Graphics; AMD Radeon™ Vega 3 Graphics; AMD Radeon™ Vega 8 Graphics (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; 1 M.2 2230/2280 (1 M.2 slot for WLAN and 1 M.2 2230/2280 slot for storage.)
<b>Ports and Connectors</b>	Front: 1 headphone; 1 headset connector; 1 USB 3.1 Gen 1; 1 USB 3.1 Gen 1 (charging) Rear: 1 RJ-45; 2 DisplayPort™ 1.2; 4 USB 3.1 Gen 1 Optional: 1 DisplayPort™ 1.2; 1 HDMI 2.0; 1 serial; 1 USB 3.1 Type-C™ Gen 2 with DisplayPort™ support; 1 VGA
<b>Input devices</b>	HP Conferencing Keyboard; HP USB Business Slim Keyboard; HP USB Keyboard; HP Wireless Business Slim Keyboard; HP Wireless Collaboration Keyboard <sup>8</sup> ; HP USB 1000 dpi Laser Mouse; HP USB Antimicrobial Mouse; HP USB Hardened Mouse; HP USB Optical Mouse <sup>8,9,10</sup> ;
<b>Communications</b>	LAN: Realtek RTL8111EPH GbE ; WLAN: Realtek 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.2 Combo; Intel® Dual Band Wireless-AC 9260 802.11ac (2x2) and Bluetooth® 5 M.2, non-vPro™ ;
<b>Drive Bays</b>	One 2.5" <sup>26</sup>
<b>Environmental</b>	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
<b>Available Software</b>	Absolute Persistence module; HP Hotkey Support; HP Secure Erase; HP Support Assistant; HP Sure Click; Native Miracast Support; HP Wireless Wakeup; Buy Office (sold separately); HP LAN-Wireless Protection; Windows Defender; HP JumpStarts <sup>11,12,13,14,15,16</sup>
<b>Security management</b>	DriveLock; Hood sensor; HP BIOSphere; HP Client Security Suite Gen 4; HP Credential Manager; HP Password Manager; HP Power On Authentication; HP Security Manager; Master Boot Record Security; Power-on password (via BIOS); Pre-boot Authentication; SATA port disablement (via BIOS); Serial enable/disable (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified); USB enable/disable (via BIOS) <sup>20,21,22,23</sup>
<b>Management features</b>	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); 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>17,18,19</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>	1.26 kg (Exact weight depends on configuration.)
<b>Energy efficiency compliance</b>	ENERGY STAR® certified; EPEAT® Gold <sup>24</sup>
<b>Environmental specifications</b>	Low halogen <sup>25</sup>

## HP ProDesk 405 G4 Desktop Mini PC

### Accessories and services (not included)

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#### HP DM VESA Power Supply Holder Kit



Simplify cable management when mounting your HP Desktop Mini with the HP DM VESA Power Supply Holder Kit, which attaches to your HP Desktop Mini Security/Dual VESA Sleeve v2 (2JA32AA) to reduce cable clutter from the PC's power supply cable and brick.  
**Product number: 1RL87AA**

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#### HP Desktop Mini Security/Dual VESA Sleeve v2



Wrap your HP Desktop Mini PC in the HP Desktop Mini Security/Dual VESA Sleeve v2 to securely mount it—with or without an Expansion Module<sup>1</sup>—behind your display, position the solution on a wall, and lock it down with the integrated security bracket and optional HP Ultra-Slim Cable Lock.  
**Product number: 2JA32AA**

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#### HP Quick Release Bracket



A secure and easy-to-use mounting solution for your VESA-compliant HP thin clients, compatible HP flat panel monitors and other HP desktop products. Attach to any a compatible stand, bracket or wall mount and make the most of your workspace. A secure and easy-to-use mounting solution for your VESA-compliant HP thin clients, compatible HP flat panel monitors and other HP desktop products. Attach to any a compatible stand, bracket or wall mount and make the most of your workspace.  
**Product number: EM870AA**

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#### 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 405 G4 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> 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 DisplayPort™ Output.
- <sup>5</sup> Compatible with HP ProDisplays, P series, and EliteDisplays, sold separately. Requires HP B300 or B500 PC Mounting Bracket for Monitors, sold separately. See display QuickSpecs for bracket guidance.
- <sup>6</sup> Mounting hardware sold separately.
- <sup>7</sup> HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
- <sup>8</sup> HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft® Office (Word, Excel, PowerPoint) and Adobe® PDF files in read-only mode when Microsoft® Office or Adobe® Acrobat are installed.
- <sup>9</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>10</sup> HP Client Security Manager Gen4 requires Windows and 8th generation Intel® or AMD processors or later.
- <sup>11</sup> Requires Windows and Internet access.
- <sup>12</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> 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> 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. AMD's numbering is not a measurement of clock speed.
- <sup>4</sup> Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
- <sup>5</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>6</sup> Actual data rate is determined by both the system's configured processor and memory module installed.
- <sup>7</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>8</sup> Sold separately or as an optional feature.
- <sup>9</sup> USB Antimicrobial Mouse: Not available in all regions.
- <sup>10</sup> HP USB Hardened Mouse: Not available in all regions.
- <sup>11</sup> Native Miracast Support: is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- <sup>12</sup> HP Secure Erase: for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
- <sup>13</sup> Absolute Persistence module: Absolute agent 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>14</sup> HP Support Assistant: requires Windows and Internet access.
- <sup>15</sup> Windows Defender: Windows Defender Opt In, Windows 10, and internet connection required for updates.
- <sup>16</sup> HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer 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>17</sup> HP Driver Packs: not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>
- <sup>18</sup> HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2: HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>
- <sup>19</sup> Vant! Management Suite: subscription required.
- <sup>20</sup> HP BIOSphere: HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
- <sup>21</sup> HP Client Security Suite Gen 4: requires Windows and Intel® or AMD 8th generation processors.
- <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> Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified): Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
- <sup>24</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. See HP's 3rd party option store for solar energy accessory at [www.hp.com/go/options](http://www.hp.com/go/options).
- <sup>25</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>26</sup> The 2.5" drive bay can be both HDD and SSD.

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