

## Datasheet

# HP ZBook 15u G5 Mobile Workstation



## Industry-leading power and durability built to go

Finally, workstation-class power meets thin and light design for executives on-the-go. With advanced features like quad core Intel® Core™ processors and 3D professional graphics, you can view and edit high resolution files from anywhere.



## HP recommends Windows 10 Pro.

### Our thinnest and lightest 38.1 cm (15") mobile workstation

- Our redesigned ZBook has been customized for road warriors with a taste for sophistication at just 1.9 kilograms<sup>1</sup> and 18.6 mm thin. Designed with metallic finishes and an optional 4K, touch display<sup>2</sup>, you'll get a premium experience that travels light.

### Premium power. Pure performance.

- Power through your day using everything from spreadsheets to CAD with blazing fast HP Z Turbo Drive high speed storage and certified AMD Radeon™ Pro graphics<sup>3</sup>.

### Advanced protection from the inside out.

- Industry-leading security features help keep your files and privacy safe while traveling. Optional HP Sure View<sup>4</sup> guards your screen from prying eyes and HP Sure Click<sup>5</sup> protects web browsing with hardware-enforced security.

### Featuring

- Be productive in any situation with the power and security of Windows 10 Pro, enhanced with best-in-class collaboration and connectivity features from HP.<sup>6</sup>
- Work with professional, certified discrete graphics for rich visual immersion and real-time visualization of complex, multi-layered files and projects.<sup>7</sup>
- Work at the speed of your ideas with the premium performance of the latest quad core Intel® Core™ processors, and up to 4.2 GHz of turbo boost at your fingertips.<sup>8</sup>
- HP mobile workstations undergo dozens of tests for software certification and optimized performance with the industry's leading software providers like Autodesk, Adobe, and more.
- Work seamlessly on airplanes, trains or in cafes with a stunning optional 4k display, with anti-glare technology that improves the outdoor and direct light experience.<sup>9</sup>
- Easily connect and collaborate with Skype® and other conferencing tools. Conference key shortcuts include start/end call, view calendar, mute, and screen sharing.<sup>11</sup>
- Designed to handle the toughest workloads, wherever you may roam. Tested for altitude, shock, drops, explosive atmospheres, extreme temperatures, sand, humidity and more.
- Work confidently from anywhere with up to 2TB of local PCIe storage that's up to 6x faster than SATA SSD, and up to 21x faster than traditional HDD storage.
- Industry-leading audio by Bang & Olufsen and a discrete amp offer premium sound quality. Plus, an external mic for conference calls and muting background noise.
- No more taping over your Webcam. The privacy slider ensures you're in control of who and what the camera sees.
- The HP ZBook Dock features Thunderbolt™ 3 connectivity for lightning-fast transfers, and the power to run dual 4k displays for maximum visual immersion.
- Enjoy peace of mind knowing you have up to 10 hours of battery life, with ultra-fast recharge for maximum productivity. Recharge to 50% capacity in just 30 minutes.

## HP ZBook 15u G5 Mobile Workstation Specifications Table



<b>Operating System</b>	Windows 10 Pro 64 – HP recommends Windows 10 Pro. <sup>1</sup> Windows 10 Home Single Language 64 <sup>1</sup> FreeDOS 2.0
<b>Processor Family</b>	8th Generation Intel® Core™ i7 processor (i7-8650U, i7-8550U); 8th Generation Intel® Core™ i5 (i5-8350U, i5-8250U); 7th Generation Intel® Core™ i5 processor (i5-7200U, i5-7300U) <sup>2,3</sup>
<b>Processors<sup>2,3</sup></b>	Intel® Core™ i5-7200U with Intel® HD Graphics 620 (2.5 GHz base frequency, up to 3.1 GHz with Intel® Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i5-7300U with Intel® HD Graphics 620 (2.6 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i7-8650U with Intel® UHD Graphics 620 (1.9 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i7-8550U with Intel® UHD Graphics 620 (1.8 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i5-8250U with Intel® UHD Graphics 620 (1.6 GHz base frequency, up to 3.4 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores); Intel® Core™ i5-8350U with Intel® UHD Graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)
<b>Maximum Memory</b>	Up to 32 GB DDR4-2400 non-ECC SDRAM Standard memory note: Transfer rates up to 2400 MT/s.
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	up to 512 GB M.2 SATA FIPS 140-2 SED SSD <sup>4</sup> 256 GB up to 512 GB PCIe® NVMe™ M.2 SED SSD <sup>4</sup> 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD <sup>4</sup> 256 GB up to 1 TB HP Z Turbo Drive G2 PCIe® NVMe™ SSD <sup>4</sup>
<b>Display</b>	39.62 cm (15.6") diagonal 4K IPS anti-glare LED-backlit (3840 x 2160); 39.62 cm (15.6") diagonal FHD IPS eDP anti-glare LED-backlit (1920 x 1080); 39.62 cm (15.6") diagonal FHD IPS LED-backlit touch screen (1920 x 1080); HP Sure View Integrated Privacy Screen 39.62 cm (15.6") diagonal FHD IPS eDP anti-glare LED-backlit touch screen (1920 x 1080)
<b>Available Graphics</b>	Integrated: Intel® UHD Graphics 630 <sup>8</sup> AMD Radeon™ Pro WX 3100 Graphics (2 GB GDDR5 dedicated) <sup>9</sup>
<b>Expansion Slots</b>	1 UHS-II SD card reader; 1 smart card reader SD supports next generation secure digital and is backward compatible to SDHC, SDXC
<b>Ports and Connectors</b>	Left side: 1 USB 3.0 (charging) Right side: 1 headphone/microphone combo; 1 power connector; 1 RJ-45; 1 USB 3.0; 1 USB Type-C™ (Thunderbolt™ 3, DisplayPort™ 1.2, USB 3.1)
<b>Communications</b>	LAN: Integrated Intel® I219-LM GbE, vPro™; Integrated Intel® I219-V GbE, non-vPro™ <sup>5</sup> WLAN: Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, vPro™; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™ <sup>6</sup> WWAN: HP hs3110 HSPA+ Intel® Mobile Broadband Module; HP hs3210 HSPA+ Mobile Broadband Module; HP It4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module; HP It4132 LTE/HSPA+ 4G Mobile Broadband Module <sup>7</sup>
<b>Camera</b>	720p HD webcam with IR; 720p HD webcam <sup>10,11</sup>
<b>Power</b>	HP Smart 65 W External AC Power Adapter
<b>Input Device</b>	HP Spill-Resistant Backlit Keyboard with function key control Image sensor touchpad; Pointstick with two additional pointstick buttons
<b>Security</b>	Absolute persistence module; DriveLock and Automatic DriveLock; HP BIOSphere with Sure Start Gen3; HP Client Security Suite Gen 3; HP Device Access Manager; HP FingerPrint Sensor; HP Power On Authentication; HP Security Manager; Security lock slot; Master Boot Record security; Pre-boot authentication <sup>22,23,24</sup>
<b>Software</b>	Bing search for IE11; Buy Office; CyberLink Power Media Player; HP ePrint Driver + JetAdvantage; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Secure Erase; HP Support Assistant; HP Velocity; HP WorkWise (requires Bluetooth); Microsoft Defender; Skype for Business Certified; HP LAN-WLAN Protection; HP JumpStart; HP Mobile Connect Pro; Native Miracast support; HP SureConnect <sup>15,16,17,18,19,20,21,25,26</sup>
<b>Dimensions</b>	37.08 x 25.1 x 1.86 cm
<b>Weight</b>	Starting at 1.77 kg Weight varies by configuration and components.
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified and EPEAT® registered configurations available <sup>13</sup>
<b>Environmental Certification</b>	Low halogen <sup>14</sup>
<b>Warranty</b>	3 year (3-3-0) limited warranty and service offering includes 3 years of parts and labor. Terms and conditions vary by country.

**HP recommends Windows 10 Pro.**

## HP ZBook 15u G5 Mobile Workstation

### Accessories and services (not included)

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#### HP Z32 31.5-inch 4K UHD Display



Experience extraordinary, precise color and see more of your projects at one time on a display with stunning 4K<sup>1</sup> resolution.

**Product number: 1AA81A4**

#### HP lt4132 LTE/HSPA+ 4G WWAN



Check e-mail, browse the Internet, and connect to your corporate network with dedicated broadband from the HP lt4132 LTE/HSPA+ 4G WWAN<sup>1</sup> for select HP Business Notebooks.

**Product number: 1HC91AA**

#### HP External USB DVDRW Drive



Connect the HP External USB DVD/RW to any available USB port on your PC<sup>1</sup> to get immediate read/write access to your optical media.

**Product number: F2B56AA**

#### HP 500GB 7200rpm SATA Hard Drive



The HP 500 GB<sup>1</sup> 7200 rpm Primary SATA Hard Drive is a convenient and affordable high-capacity storage solution for users who require additional storage or a faster dedicated second hard drive.

**Product number: F3B97AA**

#### 3Dconnexion CadMouse



Simplify scroll, click, and zoom functions and comfortably drive your CAD projects with the 3Dconnexion CADMouse.

**Product number: M5C35AA**

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

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: U4414E**



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### Messaging Footnotes:

- <sup>1</sup> Weight will vary by configuration.
- <sup>2</sup> 4K and touch are optional configurations.
- <sup>3</sup> HP Z Turbo Drive high speed storage and AMD Radeon™ Pro graphics are sold as configurable options.
- <sup>4</sup> HP Sure View integrated privacy screen is an optional feature that must be configured at purchase.
- <sup>5</sup> HP Sure Click is available on select HP platforms and supports Microsoft® Internet Explorer and Chromium™. Check <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-0922ENW> for all compatible platforms as they become available.
- <sup>6</sup> Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software 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>7</sup> AMD Radeon™ Pro graphics sold as a configurable option.
- <sup>8</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>9</sup> 4K and anti-glare display are optional or sold separately.
- <sup>10</sup> MIL-STD-810G testing is pending. Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) 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>11</sup> Skype requires Internet access and is not available in China.
- <sup>12</sup> For hard drives, GB = 1 billion bytes, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 10) of system disk is reserved for system recovery software.
- <sup>13</sup> Optional sold separately with non-touch model
- <sup>14</sup> HP ZBook dock with Thunderbolt™ sold separately.
- <sup>15</sup> Windows 10 MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See [www.bapco.com](http://www.bapco.com) for additional details.

### 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> 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> 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>4</sup> For storage drives GB = 1 billion bytes, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
- <sup>5</sup> GbE - The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
- <sup>6</sup> Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN 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 802.11ac WLAN devices.
- <sup>7</sup> WWAN use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.
- <sup>8</sup> HD content required to view HD images.
- <sup>9</sup> Supports up to 3 independent displays via internal LCD Panel, system DisplayPort™, system VGA, or using the HP UltraSlim Docking Station DisplayPort™ and VGA ports (sold separately).
- <sup>10</sup> HD content required to view HD images.
- <sup>11</sup> Windows Hello face authentication utilizes a camera specially configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.
- <sup>12</sup> Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark14 battery benchmark <https://bapco.com/products/mobilemark-2014/> for additional details.
- <sup>13</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at [www.hp.com/go/options](http://www.hp.com/go/options).
- <sup>14</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
- <sup>15</sup> For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88. Supported on Elite and Z platforms with BIOS version F.03 or higher.
- <sup>16</sup> HP ePrint Driver + JetAdvantage - Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see <http://www.hp.com/go/eprintcenter>). Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
- <sup>17</sup> HP Support Assistant - Requires Windows and Internet Access.
- <sup>18</sup> HP Remote Graphics Software - The remote desktop solution for serious workstation users and their most demanding applications. Download at: <http://www.hp.com/go/RGS>.
- <sup>19</sup> Skype is not offered in China.
- <sup>20</sup> HP Mobile Connect Pro is only available on preconfigured devices with WWAN. For geographic availability refer to <http://www.hp.com/go/mobileconnect>.
- <sup>21</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.
- <sup>22</sup> HP BIOSphere - Requires Intel® 7th generation processors. HP Sure Start Gen3 - Available on HP Elite and HP Z Workstation products equipped with Intel® 7th generation processors.
- <sup>24</sup> HP Client Security Suite Gen 3 - Requires Windows and Intel® 7th generation processors.
- <sup>25</sup> Microsoft Defender - Opt in and internet connection required for updates.
- <sup>26</sup> HP WorkWise smartphone app is available as a free download on the App Store and Google Play. As of September 2017, HP WorkWise will no longer support iOS or iPhone® devices.

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