



# HP ZBook Studio G3 Mobile Workstation

Conquer the workday with the world's first quad core workstation Ultrabook™<sup>9</sup> offering the perfect combination of brains and beauty. The iconic 15.6" diagonal HP ZBook Studio revolutionizes the design language of mobile workstations.



- Windows 10 Pro<sup>1</sup>
- Up to 2 TB of storage<sup>2</sup>

## Brilliant inside and out

Make a bold statement with innovative style and performance. Starting at just 4.4 lbs<sup>3</sup> and 18mm thin, the HP ZBook Studio is a meticulously-designed performance machine.

## Create your ideal workstation

Get looks and performance with Intel® Xeon® processor<sup>4</sup> options, dual 1 TB HP Z Turbo Drive G2<sup>5,6</sup> for up to 2 TB<sup>2</sup> of total storage, up to 32 GB ECC memory,<sup>5</sup> dual Thunderbolt™ 3, and optional HP DreamColor UHD or FHD touch displays.<sup>5,6</sup>

## Defined by HP Z DNA

Work confidently with HP mobile workstations designed around 30 years of HP Z DNA with extensive ISV certification. It's reliable, designed to pass MIL-STD 810G testing<sup>7</sup>, and endure 120K hours of testing in HP's Total Test Process.

## Featuring

- Support your unique user needs with a choice of Windows 10 Pro<sup>1</sup> or Windows 7<sup>1</sup> operating systems.
- The HP ZBook Studio Mobile Workstation delivers sleek style, impressive performance, and long battery life.
- Get powerful performance from 6th generation Intel® Core™ 3 and Intel® Xeon® processor<sup>3</sup> options.
- Take productivity up a notch with the ability to do more thanks to NVIDIA® Quadro® mid-range professional graphics.
- Take on challenging tasks with confidence with up to 32 GB DDR4 with optional ECC memory<sup>8</sup> for no compromise capacity, performance and reliability.
- Reduce boot up, calculation, and response times by revolutionizing how your HP ZBook handles large files with optional dual 1 TB HP Z Turbo Drive G2<sup>5,6</sup> storage for a remarkably fast and innovative solution.
- Quickly and easily transfer data and connect to devices. This mobile workstation is packed with multiple ports including dual Thunderbolt™ 3 ports, HDMI, and more.
- Pick the right display for the way you work with crystal clear 4K UHD or FHD touch display options.<sup>5,6</sup>
- Create the HP ZBook you need by choosing from several configuration options.<sup>5</sup>

# HP ZBook Studio G3 Mobile Workstation Specifications Table



<b>Operating System</b>	Windows 10 Pro 64 <sup>1</sup> Windows 10 Home 64 <sup>1</sup> Windows 7 Professional 64 <sup>1</sup> Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) <sup>2</sup> FreeDOS 2.0
<b>Processor Family</b>	Intel® Xeon® processor; Intel® Core™ i7 processor <sup>3</sup>
<b>Processors<sup>3</sup></b>	Intel® Xeon® E3-1545M v5 with Intel® Iris™ Pro Graphics P580 (Available in 1H16); Intel® Xeon® E3-1505M v5 with Intel HD graphics P530 (2.80 GHz, up to 3.70 GHz with Intel Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i7-6820HQ with Intel HD graphics 530 (2.70 GHz, up to 3.60 GHz with Intel Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i7-6700HQ with Intel HD graphics 530 (2.60 GHz, up to 3.50 GHz with Intel Turbo Boost Technology, 6 MB L3 cache, 4 cores)
<b>Chipset</b>	Mobile Intel® CM236
<b>Maximum Memory</b>	32 GB DDR4-2133 ECC or non-ECC SDRAM <sup>4</sup> (Transfer rates up to 2133 MT/s. Non-ECC memory only available with Intel® Core™ processors. ECC memory only available with Intel® Xeon® processors.)
<b>Internal Storage</b>	128 GB M.2 SATA SSD <sup>5,6</sup> 256 GB up to 512 GB M.2 SATA SED SSD <sup>5,7</sup> 256 GB up to 1 TB HP Z Turbo Drive G2 (NVMe PCIe SSD) <sup>5,8</sup>
<b>Display</b>	15.6" diagonal FHD UWVA IPS anti-glare LED-backlit (1920 x 1080); 15.6" diagonal FHD Touch UWVA IPS LED-backlit (1920 x 1080); 15.6" diagonal UHD UWVA IPS anti-glare LED-backlit (3840 x 2160); 15.6" diagonal UHD DreamColor UWVA IPS anti-glare LED-backlit (3840 x 2160) <sup>13</sup>
<b>Available Graphics</b>	Integrated: Intel® HD graphics 530; Intel® HD graphics P530; Intel® Iris™ Pro Graphics P580 (available 1H16) <sup>11,21</sup> Discrete: NVIDIA® Quadro® M1000M (2 GB dedicated GDDR5) (Intel® HD Graphics 530 integrated on Core™ i7. Intel® HD Graphics P530 and Intel® Iris™ Pro Graphics P580 integrated on Xeon® processors.)
<b>Expansion Slots</b>	1 SD UHS-II flash media (SD supports next generation secure digital and is backward compatible to SDHC, SDXC)
<b>Ports and Connectors</b>	Left side: 1 RJ-45; 1 USB 3.0; 1 USB 3.0 (charging) Right side: 1 power connector; 2 Thunderbolt™ 3; 1 HDMI 1.4; 1 USB 3.0; 1 stereo microphone-in/headphone-out combo <sup>9</sup>
<b>Networking</b>	LAN: Integrated Intel® i219-LM Gigabit Network Connection WLAN: Intel® Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2x2) Wi-Fi and Bluetooth® 4.0 combo; Intel® Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2x2) non-vPro Wi-Fi and Bluetooth® 4.0 combo <sup>10</sup>
<b>Audio</b>	Bang & Olufsen HD audio. Integrated stereo speakers and microphone (dual-microphone array when equipped with optional webcam). Button for volume mute, functions keys for volume up and down. Combo microphone-in/stereo headphone-out jack.
<b>Input Device</b>	HP Spill Resistant Keyboard (backlit with function key control); Image sensor clickpad with on/off button, two-way scroll, gestures, two buttons
<b>Camera</b>	720p HD webcam <sup>12</sup>
<b>Power</b>	150 W Slim Smart AC adapter (external) HP Long Life 4-cell 64 Whr Li-ion prismatic
<b>Security</b>	One-step logon; Common Criteria EAL4+ Augmented Certified Discrete TPM 1.2/2.0 Embedded Security Chip; Security lock slot; Support for Intel® AT; HP FingerPrint Sensor (optional); Absolute Persistence Module; HP BIOSphere with Sure Start; SATA port disablement (via BIOS); DriveLock and Automatic DriveLock; RAID (available as a configurable option); Serial, parallel, USB enable/disable (via BIOS); Optional USB port disable at factory (user configurable via BIOS); Removable media write/boot control; Power-on password (via BIOS); Setup password (via BIOS) <sup>16,17,18</sup>
<b>Software</b>	HP Mobile Workstations are shipped with a variety of software titles including: HP Performance Advisor, HP Remote Graphics Software, HP Velocity, HP Client Security, Microsoft Security Essentials, HP ePrint Driver, HP Recovery Manager, Foxit PhantomPDF Express. Please refer to this product's quickspec document for a full list of preinstalled software. <sup>14,15</sup>
<b>Dimensions</b>	14.76 x 10.04 x 0.71 in 375 x 255 x 18 mm
<b>Weight</b>	Starting at 4.4 lb Starting at 2 kg (Weight varies by configuration and components)
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified and EPEAT® registered configurations available <sup>19</sup>
<b>Environmental</b>	Low halogen <sup>20</sup>
<b>Warranty</b>	Protected by HP Services, including a standard limited 3 years parts, 3 years labor, and 3 years onsite service (3/3/3) warranty. Certain restrictions and exclusions apply

## Accessories and Services (not included)

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### 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**

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### HP 3-button USB Laser Mouse



The impressively sleek and durable HP 3-Button USB Laser Mouse is designed for everyday performance and to complement your HP Business Notebook.

**Product number: H4B81AA**

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### HP Professional Slim Top Load Case



The HP Professional Slim Top Load Case lets you store folders and other documents, and features storage areas for business cards, PDAs, cell phones, pens, an AC adapter and any additional items needed for a long stay away from the office or home. Designed for ultra-mobile professionals who are on the road frequently and for long periods of time. The HP Professional Slim Top Load Case is designed to accommodate notebooks with up to a 17.3 inch screen.

**Product number: H4J91AA**

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### HP Z24n 24-inch Narrow Bezel IPS Display



Create a seamless 16:10 multi-display<sup>1</sup> setup with the HP Z24n Narrow Bezel IPS Display, which has a virtually borderless screen for maximum impact imagery, factory color calibration to ensure optimal color accuracy, and flexible connectivity for all of your devices.

**Product number: K7B99A8**

## 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 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.microsoft.com>.
- <sup>2</sup> For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) and up to 30GB (for Windows 8.1/10) of system disk is reserved for system recovery software.
- <sup>3</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 is not a measurement of higher performance.
- <sup>4</sup> Weight will vary by configuration.
- <sup>5</sup> Sold separately or as an optional feature.
- <sup>6</sup> Expected to be available mid-2016.
- <sup>7</sup> MIL-STD testing is pending and 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. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- <sup>8</sup> ECC Memory is an optional feature available with Intel® Xeon® configurations.
- <sup>9</sup> Based on HP's internal analysis of all mobile workstation models from any vendors with >200 thousand unit annual sales as of October 29, 2015, having Quad-core CPU's, with Intel's Ultrabook™ Certification.

## 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.microsoft.com>.
- <sup>2</sup> This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 Pro 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> 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 is not a measurement of higher performance.
- <sup>4</sup> Maximum memory capacities assume Windows 64-bit operating systems. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
- <sup>5</sup> For storage drives GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8.1/10) is reserved for system recovery software.
- <sup>6</sup> 128 GB M.2 SATA SSD planned to be available in 1H16.
- <sup>7</sup> 512 GB M.2 SATA SED SSD planned to be available in 1H16.
- <sup>8</sup> HP Z Turbo Drive G2 1 TB NVMe PCIe SSD available in 1H16.
- <sup>9</sup> Thunderbolt™ 3 is new technology. Install all the latest drivers for your Thunderbolt device before connecting the device to the Thunderbolt port. Thunderbolt cable and Thunderbolt device (sold separately) must be compatible with Windows. To determine whether your device is Thunderbolt Certified for Windows, see <https://thunderbolttechnology.net/products>
- <sup>10</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>11</sup> HD content required to view HD images.
- <sup>12</sup> Optional or add-on feature.
- <sup>13</sup> FHD Touch and UHD DreamColor displays planned to be available in 1H16
- <sup>14</sup> Microsoft Security Essentials requires Windows 7 and internet access.
- <sup>15</sup> HP ePrint Driver 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 [www.hp.com/go/businessmobileprinting](http://www.hp.com/go/businessmobileprinting))
- <sup>16</sup> The Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S.
- <sup>17</sup> This product ships with TPM 1.2 with option to upgrade to TPM 2.0. Upgrade utility is expected to be available by the end of 2015 via HP Customer Support.
- <sup>18</sup> BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. Service may be limited. Check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
- <sup>19</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.
- <sup>20</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
- <sup>21</sup> Intel® HD graphics 530 is configurable as a standalone graphics option. Intel® HD graphics P530 and Intel® Iris™ Pro Graphics P580 are only used when NVIDIA Optimus™ Technology is enabled

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