

# HP ZBook 15 G3 Mobile Workstation



## Portable powerhouse

Creativity knows no limits on HP's thin and light next generation ZBook 15, the world's best-selling mobile workstation.<sup>9</sup> Offering a powerful blend of mobility and robust configurability, it's the perfect mix of style, features, and portability.



HP recommends Windows 10 Pro for business

- Windows 10 Pro<sup>1</sup>
- Up to 3 TB of storage<sup>2</sup>

### Impress and perform

- HP's most popular mobile workstation has been redesigned, inside and out. Now 27% thinner and 7% lighter than the previous generation, it offers 100% more wow--it's designed to impress and perform.

### Create your ideal workstation

- Configure the HP ZBook 15 with Intel® Xeon® processor<sup>4</sup> options, up to 64 GB ECC memory, dual 1 TB HP Z Turbo Drive G2<sup>5,6</sup> for up to 3 TB<sup>2</sup> of total storage, 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 15 Mobile Workstation delivers sleek style, impressive performance, and long battery life.
- Get powerful performance from 6th Gen Intel® Core™<sup>5</sup> or Intel® Xeon® processor<sup>5</sup> options.
- Take advantage of the rich features of ISV certified AMD FirePro™<sup>5</sup> and NVIDIA® Quadro® 3D graphics<sup>5</sup> with 4GB of video memory designed to work with the most demanding applications.
- Take on challenging tasks with confidence with up to 64 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 the optional dual HP Z Turbo Drive G2,<sup>5,6</sup> a remarkably fast and innovative storage 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>

## HP ZBook 15 G3 Mobile Workstation Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business <sup>1</sup> Windows 10 Home 64 <sup>1</sup> FreeDOS 2.0 Red Hat® Enterprise Linux® 6 & 7 (web support only) No Linux preloaded. Customer is responsible to obtain their own distribution.
Processor family <sup>3</sup>	Intel® Xeon® processor; 6th Generation Intel® Core™ i5 processor; 6th Generation Intel® Core™ i7 processor
Available Processors <sup>3</sup>	Intel® Xeon® E3-1545M v5 with Intel® Iris™ Pro Graphics P580 (2.9 GHz, up to 3.8 GHz with Intel Turbo Boost Technology, 8 MB L3 cache, 4 cores) 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 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 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 cache, 4 cores) Intel® Core™ i5-6440HQ with Intel HD graphics 530 (2.60 GHz, up to 3.50 GHz with Intel Turbo Boost Technology, 6 MB cache, 4 cores)
Chipset	Mobile Intel® CM236
Display size (diagonal)	15.6"
Viewing angle	##displayviewangle##
Maximum memory	64 GB DDR4-2133 ECC SDRAM or 64 GB DDR4-2133 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.
Memory slots	4 SODIMM
Internal storage	500 GB SATA (7200 rpm) <sup>5</sup> 1 TB SATA (5400 rpm) <sup>5</sup> 500 GB SATA SED (7200 rpm) <sup>5</sup> 500 GB SATA SED FIPS 140-2 (7200 rpm) <sup>5</sup> 500 GB (8 GB cache) SATA SSHD <sup>5</sup> 256 GB up to 512 GB M.2 SATA SED SSD <sup>5</sup> 256 GB up to 1 TB HP Z Turbo Drive G2 (NVMe PCIe SSD) <sup>5</sup>
Display	15.6" diagonal FHD SVA anti-glare LED-backlit (1920 x 1080) 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 DreamColor UWVA IPS anti-glare + PSR LED-backlit (3840 X 2160)
Available Graphics	Integrated: Intel® HD graphics 530; Intel® HD graphics P530; Intel® Iris™ Pro Graphics P580 <sup>9,18</sup> Discrete: NVIDIA® Quadro® M600M (2 GB dedicated GDDR5); NVIDIA® Quadro® M2000M (4 GB dedicated GDDR5); NVIDIA® Quadro® M1000M (2 GB dedicated GDDR5); AMD FirePro™ W5170M (2 GB dedicated GDDR5) (Intel® HD Graphics 530 integrated on Core™ i7 and Core™ i5 processors. Intel® HD Graphics P530 and Intel® Iris™ Pro Graphics P580 integrated on Xeon® processors.)
Audio	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.DTS Studio Sound™, stereo speakers, combo microphone/headphone jack
Expansion slots	1 SD UHS-II flash media; 1 smart card reader (SD supports next generation secure digital and is backward compatible to SDHC, SDXC)
Ports and Connectors	Left side: 1 RJ-45; 1 VGA; 1 USB 3.0 (charging) Right side: 1 power connector; 2 Thunderbolt™ 3; 1 HDMI 1.4; 3 USB 3.0; 1 stereo microphone-in/headphone-out combo <sup>6</sup>
Available Keyboards	HP Spill Resistant Keyboard (backlit with function key control)
Available Pointing Devices	Image sensor touchpad with on/off button, two-way scroll, gestures, three pick buttons. Pointstick with three additional pointstick buttons.
LAN Network Interface	Integrated Intel® I219-LM Gigabit Network Connection
WLAN <sup>7</sup>	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
WWAN <sup>8</sup>	HP lt4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module HP hs3110 HSPA+ Intel® Mobile Broadband Module
Camera <sup>10</sup>	720p HD webcam
Available Software <sup>11,12</sup>	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.
Security management <sup>13,14,15</sup>	Integrated smart card reader; 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)
Power	150 W Slim Smart AC adapter (external)
Battery type	HP Long Life 9-cell 90 WHr Li-ion polymer
Dimensions	15.2 x 10.4 x 1 in; 386 x 264 x 26 mm
Weight	Starting at 5.8 lb; Starting at 2.63 kg
Ergonomic features	##displaytiltswiv##
Energy efficiency compliance <sup>16</sup>	ENERGY STAR® certified and EPEAT® registered configurations available
Environmental specifications <sup>17</sup>	Low halogen
Warranty	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

## HP ZBook 15 G3 Mobile Workstation

### Accessories and services (not included)

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**HP 3 year Next Business Day Onsite  
Hardware Support w/Accidental  
Damage Protection-G2 for  
Notebooks**



When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day<sup>1</sup> Onsite Service with Accidental Damage Protection, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work.  
Product number: UBOQ3E

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### 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> Source: IDC WW WS Historical Tracker 2015Q1 – 05.06.15
- <sup>4</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>5</sup> Sold separately or as an optional feature.
- <sup>6</sup> Planned to be available mid-2016.
- <sup>7</sup> Source: IDC WW WS Historical Tracker 2015Q1 – 05.06.15
- <sup>8</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>9</sup> ECC Memory is an optional feature available with Intel® Xeon™ configurations.

### 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> 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>7</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>8</sup> WWAN is an optional feature. 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>9</sup> HD content required to view HD images.
- <sup>10</sup> Optional or add-on feature.
- <sup>11</sup> Microsoft Security Essentials requires Windows 7 and internet access.
- <sup>12</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>13</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>14</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 2016 via HP Customer Support.
- <sup>15</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>16</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.
- <sup>17</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
- <sup>18</sup> Intel® HD graphics 530 is configurable as a standalone graphics option; Intel® HD graphics P530; Intel® Iris™ Pro Graphics P580 are only used when NVIDIA Optimus™ Technology is enabled.

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