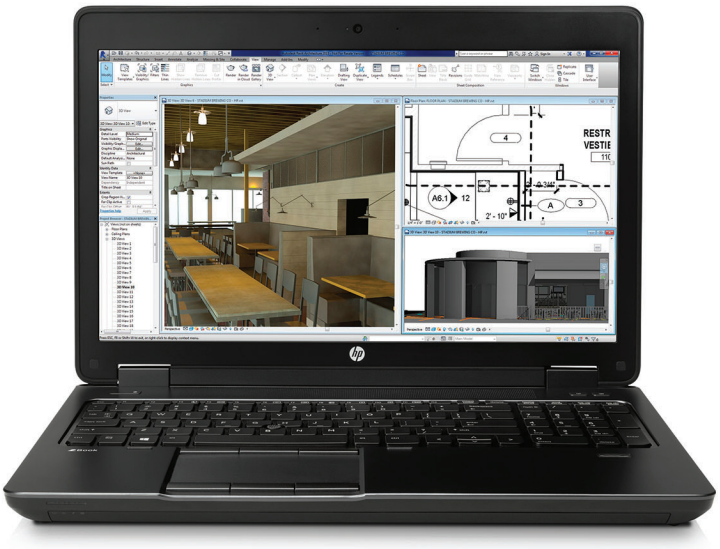
Datasheet

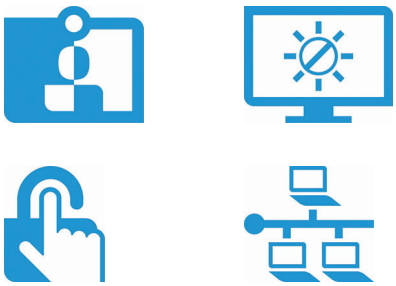
HP ZBook 15 G2 Mobile Workstation

Be productive in the office or in the field. Take advantage of the HP ZBook 15 G2's powerful processing and graphics, simple scalability, and blazing-fast connectivity to perform and collaborate at the speed of creativity.



HP recommends Windows.

- Windows 8.1[1]
- Up to 2.2 TB of storage[2]



Work smarter

- Work anywhere and be confident the power you need is at your fingertips. The ZBook 15 G2 is our most versatile mobile workstation with Windows 8.1,[1] Intel® Core™ i5 or i7 processors[3] professional graphics, and lasting battery life.

Feel the power

- Take performance to a new level on HP ZBook 15 G2 with optional Quad Core CPUs,[4] Thunderbolt™ 2,[5] HP Z Turbo Drive storage,[4] and optional QHD+ display options.[4]

Be professional

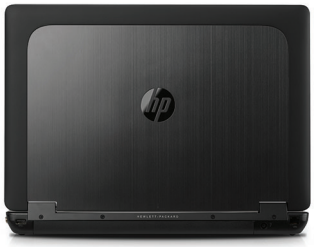
- Look stylish and confident carrying the HP ZBook 15 G2. Project a professional image at the office, client meetings, and on the road without sacrificing durability in a lightweight chassis.

Featuring:

- Rest easy with a ZBook 15 G2 that has ISV Certifications and has undergone 115,000 hours of the HP Total Test Process.
- Customize the HP ZBook 15 G2 to meet your demands. Keep large files at your fingertips without sacrificing performance with three internal storage devices with up to 2.2 TB storage[2] and 32 GB memory.
- Handle large files, reduce work time and increase performance with the HP Z Turbo Drive.
- Connect in a flash with 4X USB 3.0 speeds and enhance productivity with a high-performance Thunderbolt™ 2 port[5] on the ZBook 15 G2.
- Access and share your workstation or server-based graphic-rich applications from any PC, thin client or Windows® tablet with HP Remote Graphics Software.[6]
- Run the same demanding professional applications as a desktop workstation without dropping performance. ISV certified NVIDIA® Quadro® graphics options offer large GPU memory with fast bandwidth.
- Take advantage of the rich features of ISV certified AMD FirePro™ graphics designed to work with the most demanding applications on the HP ZBook 15 G2 Mobile Workstation.
- Optimize this HP ZBook 15 G2 for peak performance. HP Performance Advisor[7] configures your system with updated settings and drivers to help maximize performance.

HP recommends Windows.

HP ZBook 15 G2 Mobile Workstation Specifications Table



Available Operating System	Windows 8.1 Pro 64 [1] Windows 8.1 64 [1] Windows 7 Professional 64 [1] Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro 64) [2] Ubuntu Linux FreeDOS 2.0
Processor Family [3]	Intel® Core™ i7 processor; Intel® Core™ i5 processor
Available Processors [3]	Intel® Core™ i7-4910MQ with Intel HD Graphics 4600 (2.9 GHz, up to 3.9 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores) Intel® Core™ i7-4810MQ with Intel HD Graphics 4600 (2.8 GHz, up to 3.8 GHz with Intel Turbo Boost Technology, 6 MB cache, 4 cores) Intel® Core™ i7-4710MQ with Intel HD Graphics 4600 (2.5 GHz, up to 3.5 GHz with Intel Turbo Boost Technology, 6 MB cache, 4 cores) Intel® Core™ i7-4610M with Intel HD Graphics 4600 (3 GHz, up to 3.7 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores) Intel® Core™ i5-4340M with Intel HD Graphics 4600 (2.9 GHz, up to 3.6 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores) Intel® Core™ i5-4210M with Intel HD Graphics 4600 (2.6 GHz, up to 3.2 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores)
Chipset	Mobile Intel® QM87
Maximum Memory	32 GB DDR3L-1600 SDRAM 32 GB maximum memory with quad-core processor. 16 GB maximum memory with dual-core processor.
Memory Slots	2 SODIMM (for dual-core processor) or 4 SODIMM (for quad-core processor)
Internal Storage	500 GB up to 1 TB SATA (7200 rpm) [4] 1 TB SATA (5400 rpm) [4] 500 GB SATA SED (7200 rpm) [4] 500 GB SATA FIPS 140-2 SED (5400 rpm) [4] 128 GB up to 512 GB SATA SSD [4] 256 GB SATA SE SSD [4] 256 GB HP Z Turbo Drive (PCIe SSD) [4]
Optical Drive	Blu-ray R/RE DVD+/-RW SuperMulti DL; Blu-ray ROM DVD+/-RW SuperMulti DL; DVD+/-RW SuperMulti DL [5,6]
Display	15.6" diagonal LED-backlit FHD SVA eDP anti-glare (1920 x 1080); 15.6" diagonal LED-backlit FHD UWVA IPS eDP anti-glare + PSR (1920 x 1080); 15.6" diagonal LED-backlit QHD+ UWVA IPS eDP anti-glare (3200 x 1800)
Available Graphics	Integrated: Intel HD Graphics 4600 Discrete: NVIDIA® Quadro® K610M (1 GB dedicated GDDR5); NVIDIA® Quadro® K1100M (2 GB dedicated GDDR5); NVIDIA® Quadro® K2100M (2 GB dedicated GDDR5); AMD FirePro™ M5100 (2 GB dedicated GDDR5)[19]
Audio	DTS Studio Sound HD audio (Windows operating systems only); Integrated stereo speakers; Integrated microphone (dual-microphone array when equipped with optional webcam); Button for volume mute, function keys for volume up and down; Combo microphone in/stereo headphone out jack
Wireless Technologies	HP hs3110 HSPA+ Mobile Broadband; HP lt4111 LTE/EV-DO/HSPA+ Qualcomm® Gobi™ 4G Module; HP lt4112 LTE/HSPA+ Qualcomm® Gobi™ 4G Module; Intel Dual Band Wireless-NB 7260 802.11a/b/g/n (2x2) WiFi; Intel Dual Band Wireless-AC 7260 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.0 Combo; Intel Dual Band Wireless-AN 7260 802.11a/b/g/n (2x2) WiFi and Bluetooth® 4.0 combo [7,8]
Communications	Integrated Intel I217-LM Gigabit Network Connection
Expansion Slots	1 ExpressCard/54; 1 SD; 1 smart card reader (SD supports next generation security digital and is backward compatible to SDHC, SDXC)
Ports and Connectors	3 USB 3.0 (1 charging); 1 USB 2.0; 1 Thunderbolt™ 2; 1 DisplayPort 1.2; 1 stereo microphone-in/headphone-out combo; 1 power connector; 1 RJ-45; 1 docking connector; 1 secondary battery connector; 1 VGA [17]
Input Device	Backlit keyboard with function key control (optional); HP Spill Resistant Keyboard; Touchpad with on/off button, two-way scroll, gestures, three pick buttons; Pointstick with three additional pointstick buttons
Camera	720p HD webcam (select models) [9]
Available Software	HP Mobile Workstations are shipped with a variety of software titles including: HP Performance Advisor, HP Remote Graphics Software, HP Client Security, HP Drive Encryption (FIPS 140-2), Microsoft Security Essentials, Microsoft Defender, CyberLink Power DVD BD, HP ePrint Driver, HP PageLift. Please refer to this product's quick spec document for a full list of preinstalled software. [10,11,12,13,18]
Security Management	Integrated Smart Card Reader; HP Spare Key; One-step logon; Common Criteria EAL4+ Augmented Certified Discrete TPM 1.2 Embedded Security Chip; Security lock slot; Support for Intel AT; HP FingerPrint Sensor (optional); Computrace with GPS Tracking agent [14]
Power	150 W Slim Smart AC adapter (external); 200 W Slim Smart AC adapter (external) 8-cell, 83 WHr Li-ion; HP Long Life 8-cell, 75 WHr Li-ion
Dimensions	15 x 10.1 x 1.2 in 38.15 x 25.7 x 3.05 cm (Height measurement taken at front of notebook.)

Weight	Starting at 6.13 lb Starting at 2.78 kg (Weight varies by configuration and components)
Environmental	Low halogen [16]
Energy Efficiency Compliance	ENERGY STAR® certified and EPEAT® registered configurations available [15]
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 recommends Windows.

HP ZBook 15 G2 Mobile Workstation

Accessories and services (not included)

HP 230W Docking Station

HP offers a full line of docking stations designed exclusively for select HP Business Notebook platforms so you can maintain the connectivity and comfort of your laptop at a fixed station.
Product number: A7E34AA

HP 230W Advanced Docking Station

Maximize your productivity while docked with expansive port replication features and support for SATA storage. Increase your storage and add a hard drive or optical drive (sold separately) with the integrated SATA upgrade bay.
Product number: A7E38AA

HP ST09 Extended Life Notebook Battery

The HP Extended Life battery allows you to work longer. The HP Extended Life battery offers the convenience of charging the battery while it is docked so there is no need to remove before docking. With improved battery life, this battery is a great solution for the "corridor warrior" who requires extra battery life for all-day computing or long meetings.
Product number: QK639AA

HP Business Top Load Case

Keep your notebook (up to 15.6 diagonal inches) close at hand and securely store your papers, business cards, cell phones and other supplies in the roomy top load carry case.
Product number: H5M92AA

HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR)

Get outstanding image accuracy, exceptional adjustability, and mission-critical reliability optimized for commercial environments. Built with IPS Gen 2 panels, the HP Z24i 24-inch IPS Display delivers power savings over first-generation IPS technology and extra-wide viewing angles that foster collaboration.
Product number: D7P53A4

HP recommends Windows.

Messaging Footnotes

[1] 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. See http://www.microsoft.com.
[2] 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) of system disk is reserved for system recovery software.
[3] 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. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
[4] Sold separately or as an optional feature.
[5] Thunderbolt is new technology. 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.
[6] HP RGS requires a Windows or Linux operating system and Internet access.
[7] HP Performance Advisor requires Windows and Internet access.

Technical Specifications Footnotes

[1] 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. See http://www.microsoft.com.
[2] This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 8.1 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.
[3] 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. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
[4] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 20 GB of system disk is reserved for Windows 7 and higher system recovery software.
[5] Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 Double Sided-Version 1.0 Media.
[6] With Blu-Ray, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this Desktop PC.
[7] 802.11 wireless is an optional add- on feature and requires wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
[8] 4G module is optional, must be configured at the factory and 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 not available on all products, in all regions.
[9] HD content required to view HD images.
[10] HP Client Security requires Windows.
[11] HP Drive Encryption requires Windows. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.
[12] Microsoft Security Essentials and Microsoft Defender require internet access.
[13] HP PageLift requires Windows 8.
[14] 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.
[15] EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
[16] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[17] Thunderbolt™ 2 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
[18] ePrint requires an Internet connection to a 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/eprint).
[19] NVIDIA Optimus and AMD Dynamic Switchable Graphics is enabled by default. If you choose to disable this functionality, Intel® integrated graphics will not be used.

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