



# HP ZBook Studio G4 Mobile Workstation

Built for creative visionaries, the HP ZBook Studio offers desktop workstation power, in a sleek, light, stunning mobile design.



HP recommends Windows 10 Pro.

## Stunning design

- Meticulously crafted with a fully-machined aluminum and die-cast magnesium body, diamond-cut edges and an optional stunning HP DreamColor UHD display<sup>2</sup>. And at just 18 mm thin and 4.6 lbs.<sup>3</sup>, you'll be prepared wherever inspiration strikes.

## No compromise reliability

- Confidently take on your workday with our durable & reliable HP ZBook Studio. With a 3-year onsite<sup>4</sup> limited warranty, 120,000 hours of testing, and 30 years of HP Z DNA this is where the fusion of innovation, performance & reliability meet.

## Featuring

- Be productive in any situation. Windows 10 Pro and powerful security, collaboration, and connectivity features from HP help you power through your day on the HP ZBook Studio.
- Choose from 7th generation Intel® Core™ or Intel® Xeon® processor options that bring speed and outstanding performance to the HP ZBook Studio.
- For real-time visualization of multi-layered files and projects, experience NVIDIA® Quadro® M1200M with 4GB dedicated GDDR5 graphics.
- The HP ZBook Studio is extremely responsive in handling heavy workloads and file sizes, with up to 32 GB DDR4 memory. Plus, help protect your data with optional ECC memory.
- Get up to 2 TB of storage with dual HP Z Turbo Drives for enhanced speeds with file transfers and boot up time.
- Quickly and easily transfer data and connect to devices. This HP ZBook Studio is packed with multiple ports including dual Thunderbolt 3 ports, DisplayPort 1.2, and more.
- When color accuracy is critical, the optional 4K UHD display with HP DreamColor technology provides 8 million color accurate pixels, which means crystal clear, immersive imagery.
- Configurable options allow you to create what you need. You can select memory, storage, processor, graphics and display size options to fit your work style.
- Get long lasting battery life, and when you need it, recharge quickly with HP Fast Charge. You'll get up 50% battery life in just 30 minutes.
- The HP ZBook Dock with Thunderbolt 3 quickly connects and powers your HP ZBook to compatible devices and provides support for dual 4K monitors at native resolutions.
- Reliable HP service is ready when you need it, including 3 years of parts, labor and onsite service with our limited warranty.
- Experience the dual-fan active cooling system designed to dissipate heat from the powerful NVIDIA® graphics cards and Intel® processors.

# HP ZBook Studio G4 Mobile Workstation Specifications Table



<b>Operating System</b>	Windows 10 Pro 64 – HP recommends Windows 10 Pro. <sup>1</sup> Windows 10 Home 64 <sup>1</sup> FreeDOS 2.0 Windows 10 Home Single Language 64 <sup>1</sup>
<b>Processor Family</b>	7th Generation Intel® Xeon® processor (E3-1535M v6, E3-1505M v6 models); 7th Generation Intel® Core™ i7 processor (i7-7700HQ, i7-7820HQ models); 7th Generation Intel® Core™ i5 processor (i5-7300HQ, i5-7440HQ models) <sup>2,3</sup>
<b>Processors<sup>2,3</sup></b>	Intel® Xeon® E3-1535M v6 with Intel® HD Graphics P630 (3.1 GHz, up to 4.2 GHz with Intel® Turbo Boost Technology 2.0, 8 MB L3 cache, 4 cores); Intel® Xeon® E3-1505M v6 with Intel® HD Graphics P630 (3 GHz, up to 4 GHz with Intel® Turbo Boost Technology 2.0, 8 MB L3 cache, 4 cores); Intel® Core™ i7-7820HQ with Intel® HD Graphics 630 (2.9 GHz, up to 3.9 GHz with Intel® Turbo Boost Technology 2.0, 8 MB L3 cache, 4 cores); Intel® Core™ i7-7700HQ with Intel® HD Graphics 630 (2.8 GHz, up to 3.8 GHz with Intel® Turbo Boost Technology 2.0, 6 MB L3 cache, 4 cores); Intel® Core™ i5-7440HQ with Intel® HD Graphics 630 (2.8 GHz, up to 3.8 GHz with Intel® Turbo Boost Technology 2.0, 6 MB L3 cache, 4 cores); Intel® Core™ i5-7300HQ with Intel® HD Graphics 630 (2.5 GHz, up to 3.5 GHz with Intel® Turbo Boost Technology 2.0, 6 MB L3 cache, 4 cores)
<b>Chipset</b>	Mobile Intel® CM236 integrated with processor
<b>Maximum Memory</b>	32 GB DDR4-2400 ECC or non-ECC SDRAM <sup>4,5</sup> Transfer rates up to 2400 MT/s. Non-ECC memory only available with Intel® Core™ processors. ECC memory only available with Intel® Xeon® processors.
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	up to 128 GB M.2 SATA SSD <sup>6</sup> 256 GB up to 512 GB M.2 SATA SED SSD <sup>6</sup> up to 256 GB HP Z Turbo Drive G2 (NVMe™ PCIe® TLC SSD) <sup>6</sup> up to 512 GB HP Z Turbo Drive G2 (NVMe™ PCIe® TLC SED SSD) <sup>6</sup> 256 GB up to 1 TB HP Z Turbo Drive G2 (NVMe™ PCIe® MLC SSD) <sup>6</sup>
<b>Available Graphics</b>	Integrated: Intel® HD Graphics 630; Intel® HD Graphics P630 <sup>8,9</sup> Discrete: NVIDIA® Quadro® M1200M (4 GB GDDR5 dedicated) <sup>10</sup>
<b>Communications</b>	LAN: Integrated Intel® I219-LM Gigabit Network Connection WLAN: Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi and Bluetooth® 4.2 Combo; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) non-vPro™ Wi-Fi and Bluetooth® 4.2 Combo <sup>7</sup>
<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 USB Type-C™ (Thunderbolt™ 3, DisplayPort™ 1.2, USB 3.1); 1 HDMI 1.4; 1 USB 3.0; 1 stereo microphone-in/headphone-out combo
<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 (optional) <sup>11</sup>
<b>Software</b>	HP Mobile Workstations are shipped with a variety of software titles including: HP Performance Advisor, HP Remote Graphics Software (HP RGS), HP Velocity, HP Client Security Suite Gen3, HP ePrint Driver+ JetAdvantage, HP Recovery Manager, HP WorkWise (requires Bluetooth), HP LAN-WLAN Protection, HP Hotkey Support, HP Jumpstart, HP Support Assistant, HP Noise Cancellation, Buy Office, Bing Search, Skype. Please refer to this product's quickspec document for a full list of preinstalled software. <sup>12,13,14</sup>
<b>Security</b>	Absolute Persistence Module; DriveLock and Automatic DriveLock; HP FingerPrint Sensor (optional); One-step logon; Optional USB port disable at factory (user configurable via BIOS); RAID (available as a configurable option); Removable media write/boot control; Security lock slot; Serial, parallel, USB enable/disable (via BIOS); Setup password (via BIOS); Support for Intel® AT; Power-on password (via BIOS); HP BIOSphere with Sure Start Gen3; Common Criteria EAL4+ Augmented Certified Discrete TPM 2.0 Embedded Security Chip <sup>15,16,17</sup>
<b>Power</b>	150 W Slim Smart AC adapter (external) HP Long Life 4-cell, 64 Wh Li-ion prismatic (with HP Fast Charge support); HP Long Life 8-cell, 92 Wh Li-ion polymer (with HP Fast Charge support)
<b>Dimensions</b>	375 x 255 x 18 mm
<b>Weight</b>	Starting at 2.09 kg
<b>Environmental Certification</b>	Low halogen <sup>19</sup>
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified and EPEAT® registered configurations available <sup>18</sup>
<b>Warranty</b>	Limited 3-year or 1-year limited warranty options available, depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. Optional 1 HP Care Pack Services are extended service contracts which go beyond your standard limited warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location.

## HP ZBook Studio G4 Mobile Workstation

### Recommended Accessories and Services

#### HP HDMI to VGA Adapter



The HP HDMI to VGA Adapter maximizes the display functionality of your HP Ultrabook™ or Notebook PC by converting the HDMI output signal to an analog VGA input for easy connecting to an external VGA display for dual-display productivity.

**Product number: H4F02AA**

#### HP ZBook 150W Thunderbolt 3 Dock



Create a remarkably powerful and streamlined mobile workstation workspace without the clutter with the HP ZBook Dock with Thunderbolt 3.<sup>1</sup> Get expansive device, display, and network connectivity plus simultaneous charging of your system through one simple cable from the dock to your HP ZBook.

**Product number: P5Q58AA**

#### HP ZBook Thunderbolt 3 1m Cable

Use the cable to connect your HP ZBook 150W or 200W Thunderbolt 3 Dock to your notebook.

**Product number: Z4P20AA**

#### HP 3-year Travel Next Business Day Low End Notebook Only Hardware Support



This HP services offers notebook users on the go prompt, reliable coverage in major geographies of the world, for 3 years. For more information on Care Pack services, please visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc).

**Product number: UC909E**

## 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.windows.com>.
- <sup>2</sup> Sold separately or as an optional feature.
- <sup>3</sup> Weight will vary by configuration.
- <sup>4</sup> Onsite service may require an optional HP Care Pack. Availability may vary.
- <sup>5</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>6</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>7</sup> Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.
- Screen images courtesy of Niner Bikes and Larson & Darby.

## 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> 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>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> 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> Only 2 DIMM configurations run at 2400 MHz and 4 DIMM configurations run at 2133 MHz.
- <sup>6</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>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> HD content required to view HD images.
- <sup>9</sup> Intel® HD graphics 630 is configurable as a standalone graphics option; Intel® HD graphics P630 only used when NVIDIA® Optimus™ Technology is enabled.
- <sup>10</sup> NVIDIA® Quadro® mobile professional graphics support up to four independent displays when using a HP ZBook Dock with Thunderbolt 3 (sold separately) or DP 1.2 hubs with MST.
- <sup>11</sup> Optional or add-on feature.
- <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> HP Remote Graphics Software requires a Windows, Linux®, or Mac®OS X 10.10 and newer operating system and network access.
- <sup>14</sup> HP Client Security Suite Gen3 requires Windows and Intel® or AMD 7th Gen processors.
- <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> Intel AT security requires a separately purchased Absolute Computrace service subscription and must be activated and configured. Check with Absolute for availability in your country. Intel and HP assume no liability for lost or stolen data and/or systems or any other damages resulting therefrom. See <http://www.intel.com/technology/anti-theft/>. Disclose: Sure Start Gen3 is available on HP EliteDesk products equipped with Intel® 7th generation processors.
- <sup>17</sup> Sure Start Gen3 is available on HP ZBook products equipped with Intel® 7th generation processors.
- <sup>18</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.
- <sup>19</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

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