



## HP ZBook 15 G4 行動工作站規格



<b>作</b>	Windows 10 Windows W10W FreeDOS 2.0	64 - HP W64 <sup>1</sup>	Windows 10	1
<b>W</b> <sup>2,3</sup>	Intel® Xeon® Intel® Xeon® E3-1535M v6 Intel® HD Graphics P630 Intel Turbo Boost Technology 2.0 3.8 GHz 6 MB L3 4W	7 Intel® Core™ i5 i5-7300HQ 3.9 GHz 8 MB L3 4W	Intel® Core™ i5 i5-7300HQ 3.9 GHz 8 MB L3 4W	1 i5-7440HQ 4W
<b>晶片組</b>	Mobile Intel® CM236 整合於處理器			
<b>最大記憶體</b>	64 GB DDR4-2400 ECC SDRAM 或 64 GB DDR4-2400 non-ECC SDRAM <sup>4,5</sup> 系統搭配少於 32 GB 傳輸速率最高可達 2400 MT/s。系統搭配大於 32 GB 傳輸速率最高可達 2133 MT/s。Non-ECC 記憶體僅適用於搭配 Intel® Core™ 處理器。ECC 記憶體僅適用於搭配 Intel® Xeon™ 處理器。			
<b>記憶體插槽</b>	4 個 SODIMM 插槽			
<b>硬碟</b>	最高至 500 GB SATA (7200 rpm) <sup>6</sup> 最高至 1 TB SATA (5400 rpm) <sup>6</sup> 最高至 500 GB SATA SED (7200 rpm) <sup>6</sup> 最高至 500 GB (8 GB 快取) SATA SSHD <sup>6</sup> 256 GB 最高至 1 TB SATA SSD <sup>6</sup> 最高至 256 GB M.2 SATA SED SSD <sup>6</sup>			
<b>支援的顯示卡</b>	整合式：Intel® HD Graphics 630；Intel® HD Graphics P630 <sup>9,10</sup> 獨立式：AMD Radeon™ Pro WX 4150 (4 GB GDDR5 專用)；NVIDIA® Quadro® M620 (2 GB GDDR5 專用)；NVIDIA® Quadro® M1200 (4 GB GDDR5 專用)；NVIDIA® Quadro® M2200 (4 GB GDDR5 專用) <sup>11</sup> (Intel® HD Graphics 630 整合於 Core™ i7 和 Core™ i5 處理器。Intel® HD Graphics P530 整合於 Xeon® 處理器。)			
<b>通訊</b>	區域網路：整合式 Intel® I219-LM 千兆網路連線 無線區域網路：Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi 和 Bluetooth® 4.2 組合；Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) non-vPro™ Wi-Fi 和 Bluetooth® 4.2 組合 <sup>7</sup> 無線廣域網路：HP It4120 Qualcomm® Snapdragon™ X5 LTE 行動寬頻模組；HP It4132 LTE/HSPA+ 4G 行動寬頻模組；HP hs3210 HSPA+ 行動寬頻模組 <sup>8</sup>			
<b>擴充插槽</b>	1 個 SD UHS-II 媒體讀卡機；1 個智能卡讀卡機 SD 支援新一代的安全數位和可相容 SDHC、SDXC			
<b>連接埠和插槽</b>	左側：1 個 RJ-45 連接埠；1 個 USB 3.0 連接埠 (可充電)；1 個 VGA 連接埠 右側：1 個電源連接器；2 個 USB Type-C™ 連接埠 (Thunderbolt™ 3、DisplayPort™ 1.2、USB 3.1)；2 個 USB 3.0 連接埠；1 個立體聲麥克風輸入 / 耳機輸出組合			
<b>輸入設備</b>	HP 防潑水鍵盤 (功能鍵控制搭配背光) 搭配數字鍵盤圖像感應觸控開 / 關鍵、雙向滾動、手勢、三個選擇按鍵。有三個附加指點桿按鍵。			
<b>Camera</b>	720p HD webcam (optional) <sup>9,12</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. [13,14,15,16]			
<b>Security</b>	Absolute Persistence Module; DriveLock and Automatic DriveLock; HP FingerPrint Sensor (optional); Integrated smart card reader; One-step logon; Optional USB port disable at factory (user configurable via BIOS); RAID (available as a configurable option); Removable media write/boot control; SATA port disablement (via BIOS); 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>17,18,19</sup>			
<b>Power</b>	150 W Slim Smart AC adapter (external) HP Long Life 9-cell, 90 Wh Li-ion polymer (with HP Fast Charge support)			
<b>Dimensions</b>	386 x 264 x 26 mm			
<b>Weight</b>	Starting at 2.6 kg			
<b>Environmental Certification</b>	Low halogen <sup>21</sup>			
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified and EPEAT® registered configurations available <sup>20</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 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 15 G4 Mobile Workstation

### Recommended Accessories and Services

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#### 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**

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#### 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**

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#### 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**

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#### HP 3 年差旅下一營業日 僅供低階筆記型電腦硬 體支援



此款 HP 服務提供 3 年筆記型電腦使用者旅途中的及時服務，服務範圍包含全球各個主要地區。關於更多 Care Pack 服務的資訊請參閱 [www.hp.com/go/cpc](http://www.hp.com/go/cpc)。

產品型號： **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> 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>3</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>4</sup> Sold separately or as an optional feature.
- <sup>5</sup> Onsite service may require an optional HP Care Pack. Availability may vary.
- <sup>6</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.

## 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> 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> Intel® HD graphics 630 is configurable as a standalone graphics option; Intel® HD graphics P630 only used when NVIDIA® Optimus™ Technology is enabled.
- <sup>11</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. AMD Radeon™ Pro professional graphics support up to six independent displays when using an HP ZBook Dock with Thunderbolt 3 (sold separately) or DP 1.2 hubs with MST.
- <sup>12</sup> Optional or add-on feature.
- <sup>13</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>14</sup> HP Remote Graphics Software requires a Windows, Linux®, or Mac® OS X 10.10 and newer operating system and network access.
- <sup>15</sup> HP Workwise smartphone app is available as a free download on the App Store and Google Play. See requirements at [www.hp.com/go/workwise](http://www.hp.com/go/workwise)
- <sup>16</sup> HP Client Security Suite Gen3 requires Windows and Intel® or AMD 7th Gen processors.
- <sup>17</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>18</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/>
- <sup>19</sup> Sure Start Gen3 is available on HP Zbook products equipped with Intel® 7th generation processors.
- <sup>20</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.
- <sup>21</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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