



## HP COMPAQ 8510W MOBILE WORKSTATION

PORTABLE POWERHOUSE.

Exceptional graphics in a highly mobile workstation



HP recommends Windows Vista™ Business

### **Heavy-duty performance, lightweight design**

The HP Compaq 8510w Mobile Workstation gives you exceptional computational and visualization performance in a powerful yet portable 15.4-inch diagonal widescreen notebook weighing just 6.1 lbs/2.77 kg and as thin as 1.1 in/28 mm.

### **Feel the power, see the results**

Intel® Core™2 Duo Processors,<sup>2</sup> a true 64-bit computing environment, and support for up to 4 GB of system memory allow you to run demanding applications. Intel® Centrino® Pro<sup>12</sup> processor technology helps reduce the total cost of operating and managing your PCs with built-in remote manageability and proactive security.

Workstation-caliber graphics from ATI and NVIDIA provide full OpenGL and DirectX 10 support and are fully ISV-certified. When docked, the Dual Link DVI support lets you run ultra-high resolution monitors in their native resolution.

### **Experience your work in high definition**

The optional Blu-ray DVD+/-RW SuperMulti DL drive<sup>3</sup> lets you play and burn high definition content up to 50 GB (five times that of traditional DVDs) on a single dual layer Blu-ray disc. One

convenient HDMI cable (sold separately) allows you to connect to high-definition televisions and displays.

### **Enjoy wireless in more places**

Optional HP Broadband Wireless, WLAN, and Bluetooth® technologies allow you to conveniently stay connected in more places.<sup>6,7,8</sup>

### **HP Professional Innovations help you focus on your business**

Built to protect. An array of multi-layered, customizable security solutions help defend your network, your applications, and your data. The new Drive Encryption for HP ProtectTools encrypts all information on the hard drive volume so it becomes unreadable to an unauthorized person.

Built to simplify. Boost your productivity while maximizing simplicity with features such as HP QuickLook. Quickly browse your email, calendars, and contact information with a touch of a button whether your PC is turned on or not.<sup>16</sup>

Built to last. Reliable features such as HP DuraKeys, HP DuraFinish, magnesium alloy display enclosure, and HP 3D DriveGuard help your notebook go the distance.

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|  |   |                                  |                       |   |
|--|---|----------------------------------|-----------------------|---|
| <b>Operating system</b>                  | <b>Preinstalled:</b><br>Genuine Windows Vista Business 32/64 <sup>1</sup><br>Genuine Windows Vista Home Basic <sup>1</sup><br>Genuine Windows XP Professional<br>FreeDOS<br><b>Supported:</b><br>Genuine Windows Vista Enterprise <sup>1</sup><br>Genuine Windows 2000<br><b>Certified:</b><br>SuSe Linux Enterprise Desktop 10 |                                  |                       |   |
| <b>Processor</b> <sup>2</sup>            | Intel® Core™ 2 Duo (up to 2.4-GHz, 4-MB L2 cache), Intel® Core™ 2 Duo (1.8-GHz, 2-MB L2 cache)  |                                  |                       |   |
| <b>Chipset</b>                           | Mobile Intel PM965  |                                  |                       |   |
| <b>ISV Certifications</b>                | AutoDesk AutoCAD  | UGS I-DEAS NX 10                 | PTC Pro/E 2001        | Solidworks  |
| <b>MCAD</b>                              | AutoDesk Inventor   | UGS I-DEAS NX 11                 | Mechanica             | CoCreate OneSpace Designer                                |
|  | AutoDesk Revit  | UGS/PLM Unigraphics NX, NX2, NX3 | PTC Pro/E Wildfire    | ICEM Surf   |
|  | Bentley Microstation  | UGS Solidedge                    | Mechanica             | PTC DV Mockup   |
|  | Dassault Catia V5   |                                  | MSC.Patran            |   |
|  |   |                                  | SensAble              |   |
| <b>DCC</b>                               | Discreet 3DS MAX/Combustion   | Alias Maya                       | Avid SoftImage XSI/3D |   |
|  | Adobe Premiere/After Effects  | Alias Studio Tools               | Avid Xpress Pro       |   |
| <b>GIS</b>                               | ESRI ArcGIS 9   |                                  | Oil & Gas             | SMT, Landmark/GeoGrpahix, EDS, Roxar, Schlumberger/Petrel |
| <b>Memory</b> <sup>17</sup>              | DDR2 SDRAM, 667-MHz, two slots supporting dual channel memory, 512/1024/2048-MB SODIMMs, up to 4096-MB total.   |                                  |                       |   |
| <b>Hard drive(s)</b> <sup>7</sup>        | SATA 80/120/160-GB 5400 rpm, 80/100-GB 7200 rpm, HP 3D DriveGuard   |                                  |                       |   |
| <b>Removable media</b> <sup>3</sup>      | 12.7-mm optical drives: Blu-ray Disc DVD+/-RW SuperMulti DL, DVD+/-RW SuperMulti DL LightScribe, DVD+/-RW SuperMulti DL, DVD/CD-RW Combo, DVD-ROM   |                                  |                       |   |
| <b>Display</b>                           | 15.4-inch diagonal WXGA (1280 x 800 and 16M colors), WSXGA+ WVA (1680 x 1050 and 16M colors), WUXGA WVA (1920 x 1200 and 16M colors)  |                                  |                       |   |
| <b>Graphics</b> <sup>5</sup>             | NVIDIA Quadro FX 570M, 256MB (512MB TurboCache), ATI Mobility FireGL V5600, 256 MB (512 MB HyperMemory)   |                                  |                       |   |
| <b>Audio</b>                             | High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated microphone  |                                  |                       |   |
| <b>Wireless support</b> <sup>6,7,8</sup> | Optional HP ev2200 1xEV-DO and optional HP hs2300 HSDPA Broadband Wireless Module); Intel and Broadcom 802.11a/b/g draft-n, a/b/g, b/g, Bluetooth™ 2.0, HP Wireless Assistant   |                                  |                       |   |
| <b>Communications</b>                    | Intel Gigabit Network Connection (10/100/1000 NIC), <sup>9</sup> 56K v.92 modem   |                                  |                       |   |
| <b>Expansion slots</b>                   | 1 Type I/II PC Card slot supports 32-bit CardBus and 16-bit cards, Secure Digital slot  |                                  |                       |   |
| <b>Ports and connectors</b>              | 4 USB 2.0 ports, VGA, HDMI, <sup>10</sup> stereo microphone in, stereo headphone/line out, 1394a, power connector, RJ-11/modem, RJ-45/ethernet, docking connector, secondary battery connector  |                                  |                       |   |
| <b>Input device</b>                      | Full-sized keyboard, enhanced dual pointing devices (touchpad with scroll zone and pointstick)  |                                  |                       |   |
| <b>Manageability</b>                     | Intel® Centrino® Pro processor technology capable, <sup>12</sup> HP Backup and Recovery Manager, HP Client Manager Software, HP OpenView Radia Management Agent, HP Client Management Interface, HP Performance Tuning Framework  |                                  |                       |   |
| <b>Security</b>                          | HP ProtectTools, TPM Embedded Security Chip 1.2, <sup>13</sup> HP Fingerprint Sensor, Symantec Norton Internet Security, integrated Smart Card Reader, <sup>11</sup> Sold separately: Kensington lock, HP Privacy Filter  |                                  |                       |   |
| <b>Dimensions (h x w x d)</b>            | 1.1 in (at front) x 14.0 in x 10.24 in / 27.5 mm (at front) x 357 mm x 260 mm   |                                  |                       |   |
| <b>Weight</b>                            | Starting at weight: 6.1 lbs/2.77 kg (weight will vary by configuration)   |                                  |                       |   |
| <b>Power</b>                             | 8-cell (73 WHr) Lithium-Ion battery, optional HP (52 WHr) Extended Life Battery, <sup>14</sup> optional HP (95 WHr) Ultra-Capacity Battery, <sup>14</sup> 120W HP Smart AC Adapter, HP Fast Charge <sup>15</sup>  |                                  |                       |   |
| <b>Expansion solutions</b> <sup>13</sup> | HP 3-in-1 NAS Docking Station, HP Advanced Docking Station, HP Docking Station, External MultiBay II, HP Monitor Stand, HP Adjustable Notebook Stand  |                                  |                       |   |
| <b>Warranty</b>                          | Limited 3-3-3 or 3-3-0 warranty options available, depending on country; 1-year limited warranty on primary battery   |                                  |                       |   |

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## HP recommends Windows Vista™ Business

1. Certain Windows Vista product features require advanced or additional hardware. See [www.microsoft.com/windowsvista/getready/hardwarereqs.aspx](http://www.microsoft.com/windowsvista/getready/hardwarereqs.aspx) and [www.microsoft.com/windowsvista/getready/capable.aspx](http://www.microsoft.com/windowsvista/getready/capable.aspx) for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit [www.windowsvista.com/upgradeadvisor](http://www.windowsvista.com/upgradeadvisor). 2. Dual Core is a new technology 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 on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See [www.intel.com/info/em64t](http://www.intel.com/info/em64t) for more information. 3. For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB (for XP) and 10 GB (for Vista) of system disk is reserved for the system recovery software. 4. Do not copy copyright-protected materials. Intended for creation and storage of your original material and other lawful uses. Double layer discs can store more data than single layer discs. Double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. LightScribe creates a monochrome image. LightScribe media required and sold separately. Note that DVD-RAM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided – Version 1.0 media. 5. Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by programs. 6. Wireless, Internet, and VoIP use require separately purchased service contract. Check with service provider for availability and coverage in your area. Available in select countries only. 7. The specifications for the 802.11n WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11n WLAN devices. 8. Wireless access point required and is not included. Availability of public wireless access points limited. 9. The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. 10. HDMI cable sold separately. 11. Sold separately or purchased as an optional feature. 12. Select models only. Some functionality of Intel Centrino Pro, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Centrino Pro technology is dependent on 3rd party software providers. Compatibility of this generation of Centrino Pro technology-based hardware with future "virtual appliances" and Microsoft Windows Vista operating system is to be determined. 13. TPM module disabled where not permitted by law. 14. Sold separately or purchased as an optional feature. 15. HP Fast Charge recharges your primary battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 9 cell primary and 12 cell Ultra Capacity batteries. 16. Windows Vista models only. 17. Maximum memory capacities assume 64-bit operating systems. Microsoft® Windows® XP (32-bit) supports 4 GB (with Microsoft 32-bit, the amount of usable memory will be dependent upon your system configuration. It may be less than 4 GB); 32-bit Linux can support up to 8 GB.

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