Datasheet

HP EliteBook 850 G2 Notebook PC

The HP EliteBook 850 thin and light notebook allows users to be ultra-productive around the office. Work with confidence thanks to proven technologies, security, performance, and management features that will meet all your enterprise needs.

HP recommends Windows.

- Windows 8.1
- Screen Size: 15.6" diagonal

Portable powerhouse
- Get the latest technology with Windows 8.1 and your choice of Future 5th Gen Intel® Core™ processors that yield impressive speed and performance. Power through your day with long battery life built with professionals in mind.

Equipped for productivity
- Leave dongles behind with a built-in Ethernet port, VGA port, and DisplayPort for key connections to all your devices. Stay connected with co-workers and customers with HP Connection Manager and optional Qualcomm® Gobi™ 4G LTE.

Sleek, durable design
- Never fear bumps and minor drops. The thin, light, and stylish HP EliteBook 850 G2 endures HP’s Total Test Process and is designed to undergo MIL-STD 810G testing.

Solid security and manageability
- All the features IT expects including an expanded security portfolio and manageability tools to fulfill the needs for your business.

Featuring
- Enjoy the intuitive control of Windows 8.1 and impressive clarity of the optional FHD touchscreen featuring tough Corning® Gorilla® Glass 3.
- The latest storage options ensure optimum performance from your HP EliteBook. Choose from a range of HDD and SSD options as well as flash cache and a mini-card SSD.
- Experience great visual performance with optional AMD discrete graphics on optional FHD displays.
- Enjoy easy integration with HP Touchpoint Manager, HP Client Management Solutions, and Intel® vPro™ technology.
- HP BIOSphere keeps mission-critical data and systems protected with customizable security.
- HP Sure Start detects corruption and self-heals the BIOS.
- Stay productive throughout the day with the optional HP UltraSlim Docking Station.
- Rest assured, with Elite Premium 24/7 phone support.

HP recommends Windows.
# HP EliteBook 850 G2 Notebook PC Specifications Table

<table>
<thead>
<tr>
<th>Available Operating System</th>
<th>Windows 8.1 Pro 64</th>
<th>Windows 8.1 64</th>
<th>Windows 8.1 Pro for Education 64</th>
<th>Windows 7 Professional 32 (available through downgrade rights from Windows 8.1 Pro 64)</th>
<th>Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro 64)</th>
<th>Windows 7 Professional 32</th>
<th>Windows 7 Professional 64</th>
<th>Ubuntu Linux</th>
<th>FreeDOS 2.0</th>
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</thead>
<tbody>
<tr>
<td>Processor Family</td>
<td>Future 5th Gen Intel® Core™ Processors</td>
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<td>Chipset</td>
<td>Chipset is integrated with processor</td>
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<tr>
<td>Maximum Memory</td>
<td>16 GB 1600 MHz DDR3L SDRAM</td>
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<td>Windows 8.1 64</td>
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<tr>
<td>Memory Slots</td>
<td>2 SODIMM</td>
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<td>Internal Storage</td>
<td>up to 500 GB SATA (7200 rpm)</td>
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<tr>
<td>Flash Cache</td>
<td>32 GB M.2 (optional)</td>
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<td>Display</td>
<td>15.6&quot; diagonal HD SVA anti-glare flat LED-backlit (1366 x 768); 15.6&quot; diagonal FHD SVA anti-glare slim LED-backlit (1920 x 1080); 15.6&quot; diagonal FHD SVA anti-glare slim LED-backlit touch screen (1920 x 1080)</td>
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<td></td>
<td>Discrete: AMD Radeon™ R7 M260X (1 GB DDR5 dedicated, dual graphics) (optional)</td>
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<tr>
<td>Audio</td>
<td>HD audio with DTS Studio Sound™; Integrated dual-microphone array; 2 integrated stereo speakers</td>
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<td>Wireless Technologies</td>
<td>HP i4211 LTE/EV-DO/HSPA+ Qualcomm® Gobi™ 4G Mobile Broadband; HP i4112 LTE/HSPA+ Qualcomm® Gobi™ 4G Mobile Broadband; HP hs3110 HSPA+ Mobile Broadband; Intel 825.11a/b/g/n/ac (2x2) and Bluetooth® 4.0 Combo; Intel 825.11a/b/g/n/ac (2x2) and Bluetooth® 4.0; Intel 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.0 Combo;Near Field Communication (NFC) module (optional)</td>
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<td>Communications</td>
<td>Intel i218-LM GbE (10/100/1000 NIC)</td>
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<tr>
<td>Expansion Slots</td>
<td>1 multi-format digital media reader (supports SD, SDHC, SDXC)</td>
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<td>Ports and Connectors</td>
<td>3 USB 3.0; 1 USB 3.0 charging; 1 DisplayPort 1.2; 1 VGA; 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 docking connector</td>
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<td>Input Device</td>
<td>Spill-resistant keyboard, optional backlight; Glass touchpad (with chemically etched surface) with on/off button, supports 2-way scroll, taps and gestures enabled by default, two-finger scrolling, two-finger zoom (pinch)</td>
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<tr>
<td>Camera</td>
<td>720p HD webcam (select models)</td>
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<td>Available Software</td>
<td>HP BIOSphere with HP Sure Start; HP Touchpoint Manager; HP 3D Driveguard; HP Connection Manager (models with Windows 7); HP Wireless Hotspot; HP Mobile Connect (EMEA only); HP PageLift; HP Recovery Manager; HP Support Assistant; HP ePrint; Buy Office</td>
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<td>Security Management</td>
<td>Security lock slot (lock must be purchased separately); TPM 1.2/2.0 (Infineon, soldered down); Integrated smart card reader (active); Fingerprint reader (optional)</td>
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<tr>
<td>Power</td>
<td>45 W Smart AC adapter; 65 W Smart AC adapter; HP Long Life 3-cell, 50 WHr Li-ion polymer prismatic</td>
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<tr>
<td>Dimensions</td>
<td>14.78 x 9.98 x 0.84 in (non-touch); 14.78 x 9.98 x 1.02 in (touch)</td>
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<td>37.55 x 25.36 x 2.14 cm (non-touch); 37.55 x 25.36 x 2.58 cm (touch)</td>
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</tbody>
</table>
| Weight | Starting at 4.02 lb (non-touch); Starting at 4.54 lb (touch)  
|       | Starting at 1.83 kg (non-touch); Starting 2.06 kg (touch)  
|       | (Weight will vary by configuration.) |
| Environmental | Low halogen |
| Energy Efficiency Compliance | ENERGY STAR® certified configurations available |
| Expansion Solutions | 2013 UltraSlim Docking Station |
| Warranty | Limited 3-year and 1-year 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 available to extend your protection beyond the standard limited warranty. For more details visit: hp.com/go/cpc. |

HP recommends Windows.
<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
</tr>
</thead>
</table>
| **HP 2013 UltraSlim Docking Station** | Quickly and easily expand your display, network, and device connectivity to customize an always-ready workspace with the HP 2013 UltraSlim Docking Station, a simple one-click, slide-in side dock for select ultrasmall HP EliteBook Notebook PC.  
Product number: D9Y32AA |
| **HP Docking Station Cable Lock** | The HP Docking Station Cable Lock is dramatically simpler to use than previous locks and delivers enhanced security. The HP Docking Station Cable Lock gives you two locking options: lock the docking station only (which also prevents access to the advanced docking stations drive bay) or lock both the docking station and the notebook.  
Product number: AU656AA |
| **HP Display and Notebook II Stand** | Quickly and easily create a comfortable workspace for your notebook or notebook and docking station and an external display with the HP Display and Notebook II Stand, which brings your notebook PC, docking station, and display up off the desk.  
Product number: E8G00AA |
| **HP Ultra Mobile Wireless Mouse** | Low-profile, long-life, and designed for comfort.  
Here's the long-life wireless mouse that's so compact you can toss it in your carrying case without bulking out its profile, so power-smart it keeps up with your work day, and so comfortable you'll look for reasons to use it.  
Product number: H6F25AA |
| **HP Slim Ultrabook Professional Top Load Case** | The HP Slim Ultrabook Top Load—a stylish, durable, and compact carrying case built for your Ultrabook. A black twill fabric accented with gray plaid combines form and function to help protect your hardware and give you a polished appearance.  
Product number: F3W15AA |
| **HP External USB DVDRW Drive** | Connect the HP External USB DVD/RW to any available USB port on your PC to get immediate read/write access to your optical media.  
Product number: F2B56AA |
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 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.

3 HP Connection Manager is available on Windows 7 only.

4 Built in Qualcomm™ Gobi® modules available in select HP products and require wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. 4G LTE not available in all areas. Connection speeds will vary due to location, environment, network conditions, and other factors.

5 HAL-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.

6 Sold separately or as an optional feature.

7 AMD Dynamic Switchable Graphics technology requires either an AMD “A” series APU or an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeBSD and Linux OS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGl applications will run on the integrated GPU or the APU as the case may be).

8 HP Touchpoint Manager supports Android™, iOS and Windows operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Some features require a subscription. Not available in all countries see www.hp.com/touchpoint for availability information. Touchpoint Manager require purchase of a subscription.

9 Requires Microsoft Windows Operating System.

10 Some functionality of this technology 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 Intel vPro technology is dependent on 3rd party software providers.

11 HP BIOSphere features may vary depending on the PC platform and configuration.

12 Elite support only available in the US and Canada in English.

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 storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 8) is reserved for system recovery software.

5 Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

6 For internal drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 8) is reserved for system recovery software.

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8 Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

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10 HP IO S Drive Guard requires Windows.

11 HP 3D Drive Guard requires Windows.

12 The HP Wireless Hotspot application requires an active internet connection and separately purchased service data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your service provider for plan details. Requires Windows 8.1 or HP Connection Manager for Windows 7.

13 HP Mobile Connect service requires a compatible CDMA or HSPA mobile broadband module and prepaid service purchase. Find coverage and availability for your service area at hp.com/go/mobileconnect

14 HP PageLift requires Windows 7 or higher.

15 HP ePrint 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

16 HP ePrint 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/mobile printing

17 NFC is an optional feature.

18 NFC content required to view NFC images.

19 AMD Dynamic Switchable Graphics technology requires either an AMD “A” series APU or an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeBSD and Linux OS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGl applications will run on the integrated GPU or the APU as the case may be).

20 HP Touchpoint Manager supports Android™, iOS and Windows operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Some features require a subscription. Not available in all countries see www.hp.com/touchpoint for availability information. Touchpoint Manager require purchase of a subscription.

21 Some functionality of this technology 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 Intel vPro technology is dependent on 3rd party software providers.

22 Elite support only available in the US and Canada in English.

23 Not available in all countries see www.hp.com/touchpoint for availability information. Touchpoint Manager require purchase of a subscription.

24 HP Touchpoint Manager supports Android™, iOS and Windows operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Some features require a subscription. Not available in all countries see www.hp.com/touchpoint for availability information. Touchpoint Manager require purchase of a subscription.

25 Some functionality of this technology 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 Intel vPro technology is dependent on 3rd party software providers.

26 HP ePrint 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

27 NFC is an optional feature.

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