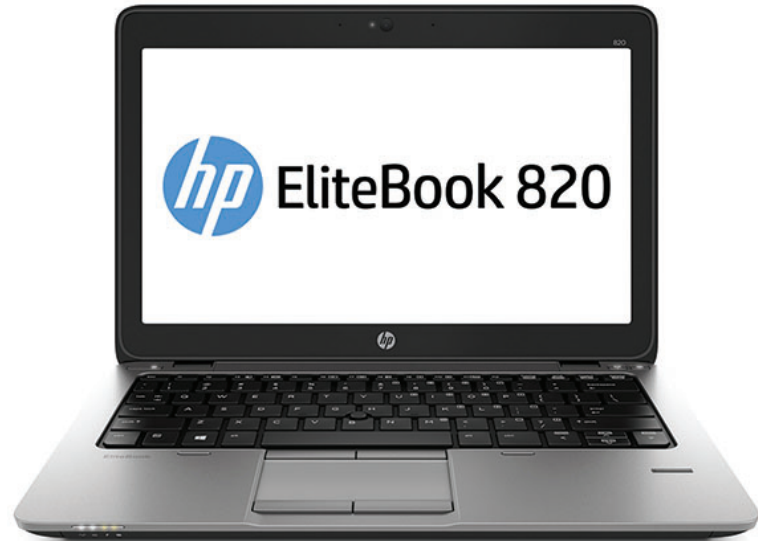# HP EliteBook 820 G1 Notebook PC

## Savvy traveler

Now employees can hit the road with a travel pro. The HP EliteBook 820 G1 industry leading thin and light notebook is ultra-mobile in and out of the office. Work with confidence thanks to proven enterprise technologies and enterprise security, performance and management features that will meet all your business needs.

## HP recommends Windows.

**Sleek and sturdy.**
- It's time for an upgrade to the dramatically thinner, lighter design of the HP EliteBook 820 with a luxurious and soft touch finish.
- Join forces with the latest generation Intel® architecture and operate at peak performance levels with Intel Smart Response Technology[1] for disk cache and expand total storage options with an additional mini-card SSD.
- Dock up for an enterprise desktop experience using the optional UltraSlim Docking Station[2] with a convenient side connector and dual DisplayPorts for multiple display support.[3]

**It's all about the connections.**
- Exercise full control over your wireless connections through a single user interface with support for most networks, including optional new 4G WWAN,[5] using HP Connection Manager.[4]
- Easily share your internet connection with up to five devices with HP Wireless Hotspot.[6] Help colleagues get online and improve productivity.
- Take productivity to a whole new level with innovative software like HP ePrint[7] and HP PageLift[8] on the HP EliteBook 820 G1 thin and light notebook.
- Bridge distances on the HP EliteBook 800 series, with Microsoft Lync[9], premium audio/video and optional HD Premium touch display.

**Solid security.**
- HP Sure Start[10] restores productivity and reduces IT help desk calls in the event of a BIOS attack or corruption. Developed with HP Labs, HP Sure Start[10] helps reduce down time for users and IT.
- Stay up and running. HP BIOS Protection offers enhanced protection against virus attacks to the BIOS and other security threats, and is designed to help prevent data loss and reduce downtime.[12]
- Safeguard data, devices and identities with HP's hassle-free Client Security portfolio,[13] including HP Drive Encryption,[14] HP Device Access Manager with Just In Time Authentication, and HP Secure Erase.[15]
- Ensure smooth sailing with stable and consistent images, managed lifecycle transitions and Global Series support you can rely on.[16]

**Road ready.**
- Never fear accidental bumps and minor spills. HP EliteBooks undergo challenging tests so you don't have to. During the HP Total Test Process, PCs experience 115,000 hours of performance trials to ensure they can withstand rigorous work environments.
- Designed to be travel-tough, the HP EliteBook 820 thin and light notebook features a new, soft touch finish and is designed to undergo MIL-STD 810G testing.[17]

# HP EliteBook 820 G1 Notebook PC
# Specifications Table

**HP recommends Windows.**

| | |
|---|---|
| **Available Operating System** | Windows 8.1 Pro 64<br>Windows 8.1 64<br>Windows 8 Pro 64<br>Windows 8 64<br>Windows 7 Professional 32 (available through downgrade rights from Windows 8 Pro 64)<br>Windows 7 Professional 64 (available through downgrade rights from Windows 8 Pro 64)<br>Windows 7 Professional 32<br>Windows 7 Professional 64<br>SUSE Linux<br>FreeDOS |
| **Processor Family** | Intel® Core™ i7 processor; Intel® Core™ i5 processor; Intel® Core™ i3 processor |
| **Available Processors** | Intel® Core™ i7-4600U with Intel HD Graphics 4400 (2.1 GHz, up to 3.3 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i7-4510U with Intel HD Graphics 4400 (2 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i7-4500U with Intel HD Graphics 4400 (1.8 GHz, up to 3 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i5-4310U with Intel HD Graphics 4400 (2 GHz, Up to 3 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i5-4300U with Intel HD Graphics 4400 (1.9 GHz, up to 2.9 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i5-4210U with Intel HD Graphics 4400 (1.7 GHz, up to 2.7 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i5-4200U with Intel HD Graphics 4400 (1.6 GHz, up to 2.6 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i3-4030U with Intel HD Graphics 4400 (1.9 GHz, 3 MB cache, 2 cores); Intel® Core™ i3-4010U with Intel HD Graphics 4400 (1.7 GHz, 3 MB cache, 2 cores) |
| **Chipset** | Chipset is integrated with processor |
| **Maximum Memory** | Up to 16 GB DDR3L-1600 SDRAM<br>Standard memory note: Transfer rates up to 1600 MT/s |
| **Memory Slots** | 2 SODIMM |
| **Internal Storage** | 320 GB up to 500 GB SATA (7200 rpm)<br>up to 500 GB SATA SED (7200 rpm)<br>320 GB up to 500 GB SATA (5400 rpm)<br>up to 120 GB M.2 SSD<br>128 GB up to 180 GB SATA SSD<br>180 GB up to 256 GB SATA SE SSD |
| **Display** | 31,75 cm (12.5") diagonal LED-backlit HD SVA anti-glare (1366 x 768); 31,75 cm (12.5") diagonal HD Premium UWVA slim (1366 x 768) |
| **Available Graphics** | Integrated: Intel® HD Graphics 4400 |
| **Audio** | HD Audio with DTS Studio Sound; Integrated dual-microphone array; 2 Integrated stereo speakers |
| **Wireless Technologies** | HP lt4111 LTE/EV-DO/HSPA+ Mobile Broadband; HP lt4112 LTE/HSPA+ Mobile Broadband; HP hs3110 HSPA+ Mobile Broadband; Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo; Intel Dual Band Wireless-AC 7260 802.11ac WiDi (2x2) and Bluetooth® 4.0 Combo; Intel Dual Band Wireless-N 7260NB 802.11a/b/g/n (2x2) WiFi; Intel Dual Band Wireless-N 7260AN 802.11a/b/g/n WiDi (2x2) and Bluetooth® 4.0 Combo; Intel Dual Band Wireless-N 7260NB 802.11a/b/g/n WiDi (2x2)<br>(Integrated Intel WiDi feature is available on select configurations only.) |
| **Communications** | Intel I218-LM Gigabit Network Connection (10/100/1000 NIC) |
| **Expansion Slots** | 1 Media Card Reader |
| **Ports and Connectors** | 2 USB 3.0; 1 USB 3.0 charging; 1 DisplayPort; 1 VGA; 1 combo stereo headphone/mic jack; 1 AC power; 1 RJ-45; 1 docking connector |
| **Input Device** | Spill-resistant keyboard with drain<br>Touchpad with on/off button, two-way scroll, gestures, two pick buttons; Pointstick with two additional pointstick buttons |
| **Webcam** | 720p HD webcam (select models) |
| **Available Software** | HP 3D DriveGuard; HP Connection Manager (Window 7); HP Wireless HotSpot; HP Mobile Connect (EMEA only); HP PageLift; HP Recovery Manager; HP Support Assistant; HP ePrint; Buy Office |
| **Security Management** | HP Client Security Suite includes: HP Credential Manager, HP Password Manager, HP File Sanitizer and HP Device Access Manager with Just in Time Authentication; HP BIOSphere with HP Sure Start; HP Drive Encryption; HP Secure Erase; Microsoft Security Essentials (models with Windows 7); Microsoft Defender (models with Windows 8); HP SpareKey; Absolute Persistence Module; TPM 1.2 Embedded Security Chip |
| **Power** | Integrated: 45W Smart AC adapter<br>3-cell (26 WHr) HP Long Life; 3-cell (46 WHr) HP Long Life |
| **Dimensions** | 31 x 21.5 x 2.1 cm |
| **Weight** | Starting at 1.33 kg<br>(Weight will vary by configuration.) |
| **Environmental** | Low halogen |
| **Energy Efficiency Compliance** | ENERGY STAR® qualified configurations available |
| **Expansion Solutions** | 2013 UltraSlim Docking Station |
| **Warranty** | 3-year limited warranty (upgrades available, sold separately), 3-year warranty on HP Long Life Battery (available only with the 3-year limited platform warranty) |

# HP EliteBook 820 G1 Notebook PC

**HP recommends Windows.**

## Accessories and services (not included)

**HP 65W Smart Travel AC Adapter**

AC power adapters from HP power your notebook and charge the internal battery simultaneously. These adapters provide you with the ability to power your notebook when away from the office or on the road. The HP 65W Slim Travel Adapter is perfect for international travelers or "road warriors" who are always on the go. The adapter is 40% thinner than the standard 65W adapter and includes a convenient USB port for charging other accessories while you work. Four international adapter plugs help make sure your Slim Travel Adapter works wherever you do. A stylish protective carrying case keeps everything together.
**Product number: AU155AA**

**HP Comfort Grip Wireless Mouse**

The HP Comfort Grip Wireless Mouse features a 30-month battery life and a bold, modern design that integrates seamlessly with HP Business Notebooks.
**Product number: H2L63AA**

**HP Ultraslim Keyed Cable Lock**

Secure your HP Ultrabook™ or laptop PC quickly and easily with the HP Ultraslim Keyed Cable Lock.
**Product number: H4D73AA**

**HP Professional Slim Top Load Case**

HP Professional Slim Top Load Case lets you store folders and other documents, and features storage areas for business cards, PDAs, cell phones, pens, an AC adapter and any additional items needed for a long stay away from the office or home. Designed for ultra-mobile professionals who are on the road frequently and for long periods of time.
**Product number: H4J91AA**

**3-year Next Business Day Onsite**

Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely
**Product number: U4414E**

**Learn more at**
**www.hp.eu/hpoptions**

# HP EliteBook 820 G1 Notebook PC

**HP recommends Windows.**

## Messaging Footnotes

[1] Requires a compatible Intel® Core processor, enabled chipset, Intel® Rapid Storage technology software and non-SED HDD + optional mSATA SSD flash cache module. Intel® Smart Response Technology is only available on select 2013 HP systems. Depending on system configuration, results may vary.

[2] Sold separately.

[3] Support for external displays as a standard feature through integrated processor-based graphics is dependent upon the particular PC platform/form factor; the actual number of displays supported will vary. An optional discrete graphics solution will be required for the support of additional displays. Additional cables required.

[4] HP Connection Manager available on Windows 7 only.

[5] WWAN is an optional feature sold separately or as an add on feature. WWAN connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.

[6] The wireless hotspot application requires an active internet connection and separately purchased 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.

[7] 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.hpconnected.com). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades.

[8] Requires Windows 8.

[9] Microsoft Lync software sold separately. Requires optional webcam and internet access, sold separately.

[10] HP Sure Start is available only on EliteBook 800 and Workstation ZBook series products.

[11] HP Tools partition with an HP BIOS required for automatic recovery.

[13] HP Client Security requires Windows.

[14] Requires Windows. Data is protected prior to Drive Encryption login. Turing the PC off or into hibernate logs out of Drive Encryption and prevents data access.

[15] For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.

[16] Elite Support is currently available in the U.S. and Canada.

[17] MIL-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.

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**www.hp.eu/notebooks**

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