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HP EliteBook 840 G4 Notebook PC Product Specifications

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HP EliteBook 840 G4 Notebook PC



Operating systems

Specification	Description
Preinstalled	Windows 10 Pro 64 ¹ Windows 10 Home 64 ¹ FreeDOS 2.0 NeoKylin Linux 64
Web supported	Windows 10 Enterprise 64 ¹

NOTE: ¹Not all features are available in all editions or versions of Windows. Systems might require upgraded and/or separately purchased hardware, drivers, software, or BIOS update to take full advantage of Windows functionality. Windows 10 automatic updates are always enabled. ISP fees might apply, and additional requirements might apply over time for updates. In accordance with Microsoft support policy, HP does not support the Windows 8 or Windows 7 operating system or provide any Windows 8 or Windows 7 drivers for this product.

Processors

Specification	Description
Intel Core i7-7600U ¹	2.8 GHz, up to 3.9 GHz with Intel Turbo Boost technology 4 MB cache 2 cores
Intel Core i7-7500U ^{1 2}	2.7 GHz, up to 3.5 GHz with Intel Turbo Boost technology 4 MB cache 2 cores



Specification	Description
Intel Core i5-7300U ¹	2.6 GHz, up to 3.5 GHz with Intel Turbo Boost technology 3 MB cache 2 cores
Intel Core i5-7200U ^{1 2}	2.5 GHz, up to 3.1 GHz with Intel Turbo Boost technology 3 MB cache 2 cores
Intel Core i3-7100U ^{1 2}	2.4 GHz 3 MB cache 2 cores
Chipset	Integrated with processor

NOTE: ¹Processor speed denotes maximum performance mode; processors run at lower speeds in battery optimization mode. Multicore is designed to improve performance of certain software products. Not all customers or software applications necessarily benefit from use of this technology. Performance and clock frequency vary depending on application workload and hardware and software configurations. Intel numbering is not a measurement of higher performance.

NOTE: ²Not available with Intel iAMT (Not available with vPro).

Graphics

Specification	Description
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Specification	Description
Integrated	Intel HD Graphics 620

Display

Specification	Description
Non-Touch	<p>35.56 cm (14 in) diagonal HD SVA anti-glare slim LED-backlit non-touch (1366 x 768)</p> <p>35.56 cm (14 in) diagonal HD SVA anti-glare slim LED-backlit non-touch with camera (1366 x 768)</p> <p>35.56 cm (14 in) diagonal FHD SVA anti-glare slim LED-backlit non-touch (1920 x 1080)</p> <p>35.56 cm (14 in) diagonal FHD SVA anti-glare slim LED-backlit non-touch with camera (1920 x 1080)</p> <p>35.56 cm (14 in) diagonal QHD UWVA anti-glare ultraSlim LED-backlit non-touch (2560 x 1440)</p> <p>35.56 cm (14 in) diagonal QHD UWVA anti-glare ultraSlim LED-backlit non-touch with camera (2560 x 1440)</p> <p>HP Sure View integrated privacy screen 35.56 cm (14 in) diagonal FHD SVA anti-glare slim LED-backlit non-touch with camera (1920 x 1080) (must be configured at purchase)</p>
Touch	35.56 cm (14 in) diagonal FHD SVA slim with camera, Corning Gorilla Glass 4 LED-backlit touch screen (1920 x 1080)
Resolution	<p>VGA</p> <p>External resolutions up to 1920 x 1200 at 60 Hz supported</p> <p>DisplayPort 1.2</p> <p>Resolutions up to 4096 x 2304 at 60 Hz supported</p>



Specification	Description
Displays support	<p>(3) independent displays supported if used with HP UltraSlim Docking Station</p> <p>NOTE: Sold separately or as an optional feature.</p> <p>Supports dual display through the dock</p>

NOTE: HD content required to view HD images. Resolutions are dependent upon monitor capability and resolution and color depth settings.

Storage/drives

Specification	Description
SATA, 7 mm 6.35 cm (2.5 in) hard drives	<p>500 GB 7200 rpm Hard Drive</p> <p>500 GB 7200 rpm Self-Encrypting Hard Drive (Opal 2)</p> <p>500 GB 7200 rpm Self-Encrypting Hard Drive FIPS-140-2</p> <p>500 GB Hybrid 8 GB cache</p> <p>1 TB 5400 rpm Hard Drive</p>



Specification	Description
M.2 (NGFF) 2280 solid state drives	<p>128 GB SATA-3 Value Solid State Drive</p> <p>256 GB PCIe Gen 3x4 NVMe TLC Solid State Drive</p> <p>360 GB PCIe Gen 3x4 NVMe TLC Solid State Drive</p> <p>512 GB PCIe Gen 3x4 NVMe TLC Solid State Drive</p> <p>512 GB PCIe Gen 3x4 NVMe MLC Solid State Drive</p> <p>256 GB SATA-3 TLC Self-Encrypting Solid State Drive (Opal 2)</p> <p>512 GB PCIe Gen 3x4 NVMe TLC Self-Encrypting Solid State Drive (Opal 2)</p> <p>512 GB SATA-3 TLC Solid State Drive FIPS-140-2</p>
HP 3D DriveGuard (Windows and hard drives only)	Hard drive mounted directly to the notebook frame, reducing the transmission of shock to the hard drive
Dual Drive Configuration	Can be configured with a hard drive and M.2 SSD drive

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB of system disk is reserved for system recovery software.

Memory

Specification	Description
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Specification	Description
Memory	<p>DDR4 – 2400 SDRAM (Transfer rates up to 2133 MT/s)</p> <p>(2) SODIMM slots supporting dual-channel memory (Both slots are customer accessible/upgradeable)</p> <p>Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.</p> <p>NOTE: Improved system performance when memory is added in pairs (dual channel). Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If memory speeds are mixed, the system performs at the lower memory speed.</p>
Configuration	<p>4096 MB total system memory (4096 MB x 1)</p> <p>8192 MB total system memory (4096 MB x 2)</p> <p>8192 MB total system memory (8192 MB x 1)</p> <p>16384 MB total system memory (16384 MB x 1)</p> <p>16384 MB total system memory (8192 MB x 2)</p> <p>32768 MB total system memory (16384 MB x 2)</p>
Maximum	Up to 32 GB

Networking/communications

Specification	Description
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Specification	Description
Broadband Wireless (WWAN) via M.2 minicard ¹	<p>HP lt4120 Qualcomm Snapdragon X5 LTE Mobile Broadband Module</p> <p>HP lt4132 LTE/HSPA+ 4G Mobile Broadband Module</p> <p>HP hs3210 WW HSPA+ with GPS Mobile Broadband</p> <p>NOTE: WWAN modules must be preconfigured and require Windows operating system. 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 vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all areas.</p>
Wireless LAN (WLAN) via M.2 minicard ²	<p>Intel Dual Band Wireless-AC 8265 802.11 a/b/g/n/ac (2x2) Wi-Fi and Bluetooth 4.2 combo (vPro and non-vPro)</p> <p>Intel Dual Band Wireless-AC 3168 802.11 a/b/g/n/ac (1x1) Wi-Fi and Bluetooth 4.2 combo (non-vPro)</p>
Communications	<p>Near Field Communication (NFC): HP Module with NXP NFC Controller NPC100 I2C NCI</p> <p>NOTE: Sold separately or as an optional feature.</p> <p>Intel Ethernet Connection I219-V 10/100/1000 Ethernet (With Intel i3-7100U, i5-7200U, and i7-7500U)³</p> <p>Intel Ethernet Connection I219-LM 10/100/1000 Ethernet (With Intel i5-7300U and i7-7600U)³</p>

NOTE: ¹Sold separately or as an optional feature. Integrated Bluetooth available.

NOTE: ²Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited. Integrated Bluetooth available.

NOTE: ³The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.



Audio/multimedia

Specification	Description
Audio	<p>Audio by Bang & Olufsen</p> <p>HP Audio Boost</p> <p>HP Noise Cancellation software</p> <p>Digital microphones (Dual array)</p> <p>(2) Premium stereo speakers</p>
Webcam	<p>720p HD webcam</p> <p>NOTE: Sold separately as an optional feature. HD content required to view HD images. Internet access required.</p>

Keyboards/pointing devices/function keys

Specification	Description
Keyboard	<p>HP Premium Keyboard</p> <p>Spill resistant with drain</p> <p>All-metal keyboard deck</p> <p>Backlit (optional)</p> <p>HP Dura Keys (optional)</p>



Specification	Description
Glass touchpad	<p>On/Off button</p> <p>Taps enabled as default</p> <p>Gestures enabled by default</p> <p>2-finger scrolling</p> <p>2-finger zoom (pinch)</p>
Function keys	<p>Function keys</p> <p>F1 - Sleep</p> <p>F2 - Blank (Privacy Key for configurations with HP Sure View integrated privacy screen)</p> <p>F3 - Backlit keyboard toggle</p> <p>F4 - Display switching</p> <p>F5 - Brightness down</p> <p>F6 - Brightness up</p> <p>F7 - Blank</p> <p>F8 - Volume down</p> <p>F9 - Volume up</p> <p>F10 - Microphone mute</p> <p>F11 - Blank</p> <p>F12 - Number lock</p> <p>Hidden function keys</p> <p>Fn+R - Break</p> <p>Fn+S - Sys Rq</p> <p>Fn+C - Scroll lock</p>

Need help?



Software/security

Specification	Description
BIOS	<p>HP BIOSphere</p> <p>NOTE: Available only on business PCs with HP BIOS. HP BIOSphere features might vary depending on the PC platform and configuration.</p> <p>HP Sure Start Gen3</p> <p>HP DriveLock/HP Automatic DriveLock</p> <p>BIOS Update via Network</p> <p>Master Boot Record Security</p> <p>Power On Authentication</p> <p>Secure Erase</p> <p>NOTE: For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.</p> <p>Pre-boot Authentication</p>
Communication/connectivity	<p>HP Mobile Connect Pro (Windows 10 only)</p> <p>NOTE: Available on preconfigured devices with WWAN only.</p> <p>Native Miracast Support</p> <p>HP LAN-WLAN Protection</p> <p>HP MAC Address Manager</p> <p>HP Wireless Wakeup</p>



Specification	Description
HP Value Add Software	<p>HP 3D DriveGuard (Windows required)</p> <p>HP ePrint Driver and JetAdvantage</p> <p>NOTE: Requires an Internet connection to HP web-enabled printer and HP ePrint account registration. Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees might apply. Print times and connection speeds vary.</p> <p>HP Hotkey Support</p> <p>HP Recovery Manager</p> <p>HP Jumpstart</p> <p>HP Support Assistant</p> <p>HP Noise Cancellation</p>
Microsoft Products	<p>Buy Office</p> <p>Bing Search</p> <p>Skype (not available in China)</p>
Manageability	<p>HP Driver Packs (available for download)</p> <p>HP SoftPaq Download Manager (SDM)</p> <p>HP System Software Manager (SSM) (available for download)</p> <p>HP BIOS Config Utility (BCU) (available for download)</p> <p>HP Client Catalog (available for download)</p> <p>HP MIK for Microsoft SCCM (available for download)</p> <p>HP Image Assistant (available for download)</p> <p>LANDESK Management (subscription required)</p>



Specification	Description
Client security software	<p>Microsoft Defender</p> <p>HP Client Security</p> <p>HP Security Manager (including Credential Manager and Password Manager)</p> <p>HP Drive Lock</p> <p>HP Fingerprint Sensor</p> <p>HP Password Manager</p> <p>Absolute Persistence Module¹</p> <p>Power On Authentication</p> <p>HP Device Access Manager</p>
Security	<p>Trusted Platform Module (TPM) 2.0 (Infineon SLB9670)</p> <p>Common Criteria EAL4+ certified</p> <p>Convertible to FIPS 140-2 Certified mode</p> <p>Fingerprint reader (On select models)</p>

NOTE: ¹Absolute agent is activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

NOTE: HP Cloud Recovery download tool (Cloud Recovery Client) is available under Software and Drivers section on the support page.

Power

Specification	Description
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Specification	Description
Power supply/AC adapters	<p>HP 45 W Smart AC Adapter</p> <p>HP 45 W 2-prong DC jack AC Adapter</p> <p>HP 65 W Smart AC Adapter (supports HP Fast Charging)</p> <p>HP 65 W Smart AC Adapter EM (supports HP Fast Charging)</p> <p>Power cord: Either 1.0 m (3.28 ft) or 1.8 m (5.9 ft)</p> <p>Power cord total length (including external AC adapter): Either 2.86 m (9.38 ft) or 3.66 (12.0 ft)</p> <p>NOTE: Availability varies by country/region.</p>
Battery	HP Long Life 3-cell, 51 WHr Li-ion polymer (Supports HP Fast Charging with 65 W AC Adapter)
Battery Life	<p>Up to 12 hrs 15 mins (hard drive)</p> <p>Up to 15 hrs 15 mins (solid state drive)</p> <p>NOTE: Windows 10/MM14 battery life varies depending on product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery naturally decreases with time and usage.</p>
Power conservation	<p>Hibernation</p> <p>Standby</p> <p>ACPI compliance</p>

Weight/dimensions

Specification	Description
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Specification	Description
Weight	<p>Starting at 1.48 kg (3.26 lbs) for non-touch</p> <p>Starting at 1.70 kg (3.75 lbs) for touch</p> <p>NOTE: Weight varies by configuration and components.</p>
Dimensions (W x D x H)	<p>33.8 x 23.7 x 1.89 cm (13.3 x 9.33 x 0.74 in), Front</p> <p>NOTE: Height varies depending upon where on the notebook the measurement is made.</p>

Ports/slots

Specification	Description
Ports	<p>(2) USB 3.1 Gen (1 charging)</p> <p>(1) 1 USB-C (Up to 5 Gbps data transfer and 15 W power)</p> <p>(1) DisplayPort 1.2</p> <p>(1) VGA</p> <p>(1) RJ-45 (Ethernet)</p> <p>(1) Docking connector</p> <p>(1) Headphone/microphone combo</p> <p>(1) AC</p> <p>NOTE: Cables not included.</p>



Specification	Description
Slots	(1) SD Media card reader (SD, SDHC, SDXC supported)

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Need

