

HP EliteBook 1050 G1 Notebook PC



Jaw-dropping power in an ultraslim design

Get the performance you need to bring your vision to life with the premium design of the ultraslim HP EliteBook 1050 business notebook with optional NVIDIA® GeForce® GTX 1050 graphics².



HP recommends Windows 10 Pro for business

Sleek and powerful

- Realize your visions on-the-go. The EliteBook 1050 handles heavy workloads with a powerful 8th Gen hexa-core Intel® Core™ processor³, optional NVIDIA® GeForce® GTX 1050 graphics³, and dual SSDs with RAID support².

Security at your fingertips

- Control what you share with the world. A swipe of a finger closes the shutter on the optional HP Privacy Camera⁴. A touch of a button activates HP Sure View Gen2⁵ protecting against visual hacking.

A collaborative force

- Make your ideas heard. Powerful speakers with discrete amps produce crystal-clear sound while HP Noise cancellation and a world-facing third microphone block background noise.
- Power through your day with Windows 10 Pro¹ and the powerful security, collaboration and connectivity features from HP.
- Experience the power and speed of up to an 8th Gen hexa-core Intel® Core™ processor³ in the HP EliteBook 1050 ultraslim business notebook with optional NVIDIA® GeForce® GTX 1050 graphics².
- Quickly transition to desktop productivity with a single USB-C™-cable⁷. The optional HP Thunderbolt Dock G2² delivers enterprise manageability and an optional audio module⁸.
- Never wonder if someone is watching you with the added peace-of-mind that comes from the optional HP Privacy Camera⁴, with a physical shutter to protect from malicious surveillance.
- Instantly protect against visual hacking with the optional HP Sure View Gen2⁵ integrated privacy screen. At the touch of a button your screen appears unreadable to those around you while you see your content clearly.
- Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click⁹.
- Protect the firmware your antivirus can't reach! The hardware-enforced self-healing protection offered by HP Sure Start Gen4¹⁰ automatically recovers the BIOS from malware, rootkits, or corruption.
- Fortify your security with up to three authentication factors including fingerprints and facial recognition¹¹.

HP EliteBook 1050 G1 Notebook PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business ¹ Windows 10 Pro 64 (National Academic only) ^{1,2} Windows 10 Home 64 ¹ Windows 10 Home Single Language 64 ¹ FreeDOS 2.0
Processor family	8th Generation Intel® Core™ i7 processor (i7-8850H); 8th Generation Intel® Core™ i7 processor (i7-8750H); 8th Generation Intel® Core™ i5 processor (i5-8400H); 8th Generation Intel® Core™ i5 processor (i5-8300H);
Available Processors ^{3,4,5}	Intel® Core™ i7-8850H vPro™ processor with Intel® UHD Graphics 630 Graphics (2.6 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB L3 cache, 6 cores) Intel® Core™ i7-8750H with Intel® UHD Graphics 630 Graphics (2.2 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB L3 cache, 6 cores) Intel® Core™ i5-8400H vPro™ processor with Intel® UHD Graphics 630 Graphics (2.5 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) Intel® Core™ i5-8300H with Intel® UHD Graphics 630 Graphics (2.3 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)
Display size (diagonal)	15.6"
Maximum memory	32 GB DDR4-2666 SDRAM ⁶ Dual channel support.
Memory slots	2 SODIMM
Internal storage	256 GB up to 2 TB PCIe® NVMe™ M.2 SSD ⁷ 256 GB up to 512 GB PCIe® NVMe™ M.2 SED SSD ⁷ 512 GB M.2 SATA FIPS 140-2 SSD ⁷ 256 GB SATA SED ⁷
Display ^{10,13,14}	15.6" diagonal 4K IPS eDP + PSR anti-glare LED-backlit, 400 cd/m ² , 100% sRGB (3840 x 2160) 15.6" diagonal FHD IPS eDP + PSR anti-glare LED-backlit, 400 cd/m ² , 100% sRGB (1920 x 1080) 15.6" diagonal FHD IPS eDP + PSR anti-glare LED-backlit, 650 cd/m ² , 100% sRGB (1920 x 1080)
Available Graphics	Integrated: Intel® UHD Graphics 630 ¹⁰ Discrete: NVIDIA® GeForce® GTX 1050 (4 GB DDR5 dedicated); ¹¹
Audio	Bang & Olufsen, Intel® SST Audio, dual array microphone, HP Noise Cancellation Software, HP Clear Sound Amp
Wireless technologies ^{9,9}	Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, vPro™ Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™ (Compatible with Miracast-certified devices.)
Expansion slots	1 SD (Supports SD, SDHC, SDXC.)
Ports and Connectors	2 USB 3.1 Type-C™ with Thunderbolt™ support; 2 USB 3.0 (1 charging); 1 headphone/microphone combo; 1 HDMI 2.0 (with discrete graphics); 1 HDMI 1.4 (with integrated graphics); 1 AC power (HDMI cable sold separately.)
Available Keyboards	HP Premium Collaboration Keyboard
Available Pointing Devices	Glass ClickPad with chemically etched surface, gesture support, two-way scroll, two-finger zoom (pinch);
Sensors	Ambient light sensor; ¹³
Network Interface	HP Module with NXP NFC Controller NPC300 I2C NCI
Camera ^{10,12,13}	720p HD camera; HD IR webcam;
Available Software ^{9,15,16}	HP Hotkey Support; HP JumpStart; HP Noise Cancellation Software; HP Recovery Manager; HP Support Assistant; HP Velocity; HP WorkWise; Buy Office (Sold separately)
Security management ^{22,23,24,25,26,27,28,29,30,31,33,39}	Absolute persistence module; HP BIOSphere Gen4; HP Device Access Manager; HP DriveLock and Automatic DriveLock; HP Fingerprint Sensor; HP Password Manager; HP Secure Erase; HP Security Manager; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; HP SureStart Gen4; HP Wireless Wakeup; HP Client Security Gen4; RAID configurations; HP Sure Run; HP Sure Recover;
Management features	HP BIOS Config Utility (BCU); HP Client Catalog; HP Driver Packs; HP System Software Manager (SSM); HP Manageability Integration Kit Gen2; Ivanti Management Suite; ^{19,20,21}
Power	HP Smart 150 W Slim External AC power adapter;
Battery type ³⁵	HP Long Life 6-cell, 95.6 Wh Li-ion polymer; HP Long Life 4-cell, 64 Wh Li-ion polymer; Battery is internal and not replaceable by customer. Serviceable by warranty.
Battery life ³⁴	Up to 16 hours;
Dimensions	14.17 x 10 x 0.74 in; 36 x 25.4 x 1.89 cm
Weight	Starting at 4.54 lb.; Starting at 2.06 kg;
Energy efficiency compliance ³⁷	ENERGY STAR® certified and EPEAT® Gold registered;
Environmental specifications ³⁸	Low halogen; TCO 5.0 Certified;
Warranty	HP Services offers 3 year and 1 year limited warranties and 90 day software limited warranty options 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. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc .

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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. 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>.
- ² Sold separately or as an optional feature.
- ³ Intel® Hexa Core™ processors are optional. 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, branding and/or naming is not a measurement of higher performance.
- ⁴ HP Privacy Camera only available on non-touch screens equipped with HD or IR camera and must be installed at the factory.
- ⁵ HP Sure View integrated privacy screen is an optional feature and requires optional 650 nit FHD screen that must be configured at purchase and is designed to function in landscape orientation.
- ⁷ USB-C™ notebooks must be able to support power and video.
- ⁸ HP Audio Module sold separately and required for audio.
- ⁹ HP Sure Click is available on select HP platforms and supports Microsoft® Internet Explorer, Google Chrome, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode. Check <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-0922ENW> for all compatible platforms as they become available.
- ¹⁰ HP Sure Start Gen4 is available on HP EliteBook products equipped with 8th generation Intel® or AMD processors.
- ¹¹ HP Multi Factor Authenticate Gen2 requires 7th or 8th Generation Intel® Core™ processor, Intel® integrated graphics, and Intel® WLAN. Microsoft® System Center Configuration Manager is required for deployment. Three authentication factors requires an Intel® vPro™ processor.

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, 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.windows.com/>.
- ² Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.
- ⁴ Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- ⁵ NOTE: 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>.
- ⁶ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.
- ⁷ 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.
- ⁸ Wireless access point and Internet service required and sold separately. 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.
- ⁹ Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- ¹⁰ HD content required to view HD images.
- ¹¹ Integrated graphics depends on processor. NVIDIA® Optimus™ technology requires an Intel processor, plus an NVIDIA® GeForce® discrete graphics configuration and is available on Windows 10 Pro OS. With NVIDIA® Optimus™ 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).
- ¹² Internet access required.
- ¹³ Sold separately or as an optional feature.
- ¹⁴ Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- ¹⁵ HP WorkWise smartphone app is available as a free download on the Google Play. As of September 2017, HP WorkWise will no longer support iOS or iPhone® devices.
- ¹⁶ HP Support Assistant requires Windows and Internet access.
- ¹⁹ HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- ²⁰ HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>
- ²¹ Ivanti Management Suite subscription required.
- ²² Absolute agent is shipped turned off, and will be 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. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. 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.
- ²³ HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
- ²⁴ HP Client Security Suite Gen 4 requires Windows and Intel® or AMD 8th generation processors.
- ²⁵ HP Fingerprint Sensor sold separately or as an optional feature.
- ²⁶ HP Password Manager requires Internet Explorer or Chrome or Firefox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser.
- ²⁷ Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
- ²⁸ HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
- ²⁹ HP Sure Recover with Embedded Reimaging is an optional feature that must be configured at purchase and is available on select HP Elite PCs. Not available on platforms with multiple internal storage drives, Intel® Optane™. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
- ³⁰ HP Sure Run is available on HP Elite products equipped with 8th generation Intel® or AMD® processors.
- ³¹ HP Sure Start Gen4 is available on HP EliteBook products equipped with 8th generation Intel® or AMD processors.
- ³³ RAID configuration is optional and does require a second hard drive.
- ³⁴ Windows 10 MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.
- ³⁸ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- ³⁵ Recharges the 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.
- ³⁶ HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/pc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
- ³⁷ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options.
- ³⁹ HP Drive Lock is not supported on NVMe™ drives.

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