Datasheet

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 graphics[2].



HP recommends Windows 10 Pro.

Sleek and powerful

- Realize your visions on-the-go. The EliteBook 1050 handles heavy workloads with a powerful 8th Gen hexa-core Intel® Core™ processor[3], optional NVIDIA® GeForce® GTX 1050 graphics[3], and dual SSDs with RAID support[2].

Security at your fingertips

- Control what you share with the world. A swipe of a finger closes the shutter on the optional HP Privacy Camera[4]. A touch of a button activates HP Sure View Gen2[5] 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 Pro[1] 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™ processor[3] in the HP EliteBook 1050 ultraslim business notebook with optional NVIDIA® GeForce® GTX 1050 graphics[2].
- Quickly transition to desktop productivity with a single USB-C™-cable[7]. The optional HP Thunderbolt Dock G2[2] delivers enterprise manageability and an optional audio module[8].
- Never wonder if someone is watching you with the added peace-of-mind that comes from the optional HP Privacy Camera[4], with a physical shutter to protect from malicious surveillance.
- Instantly protect against visual hacking with the optional HP Sure View Gen2[5] 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 Click[9].
- Protect the firmware your antivirus can't reach! The hardware-enforced self-healing protection offered by HP Sure Start Gen4[10] automatically recovers the BIOS from malware, rootkits, or corruption.
- Fortify your security with up to three authentication factors including fingerprints and facial recognition[11].

HP recommends Windows 10 Pro.

HP EliteBook 1050 G1 Notebook PC Specifications Table





Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro. [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)
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] up to 256 GB SATA SED [7]
Display	39.6 cm (15.6") diagonal 4K IPS eDP + PSR anti-glare LED-backlit, 400 cd/m², 100% sRGB (3840 x 2160); 39.6 cm (15.6") diagonal FHD IPS eDP + PSR anti-glare LED-backlit, 400 cd/m², 100% sRGB (1920 x 1080); 39.6 cm (15.6") diagonal FHD IPS eDP + PSR anti-glare LED-backlit, 650 cd/m², 100% sRGB (1920 x 1080) [10,13,14]
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	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™; [8,9] (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.)
Input devices	HP Premium Collaboration Keyboard Glass ClickPad with chemically etched surface, gesture support, two-way scroll, two-finger zoom (pinch); Ambient light sensor; [13]
Communications	HP Module with NXP NFC Controller NPC300 I2C NCI;
Camera	720p HD camera; HD IR webcam; [10,12,13]
Available Software	HP ePrint Driver + JetAdvantage; HP Hotkey Support; HP JumpStart; HP Noise Cancellation Software; HP Recovery Manager; HP Support Assistant; HP Velocity; HP WorkWise; HP PhoneWise; Buy Office (Sold separately); [9,15,16,17,18]
Security management	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; [22,23,24,25,26,27,28,29,30,31,33]
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	HP Long Life 6-cell, 95.6 Wh Li-ion polymer; HP Long Life 4-cell, 64 Wh Li-ion polymer; [35]
Battery life	Up to 16 hours; [34]
Dimensions	36 x 25.4 x 1.89 cm
Weight	Starting at 2.06 kg; (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified and EPEAT® Gold registered; [37]
Environmental specifications	Low halogen; TCO 5.0 Certified; [38]
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.

HP recommends Windows 10 Pro.

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Accessories and services (not included)

HP Exec 15.6 Midnight Top Load



Keep your bag's contents safe during your daily commute with the HP Executive 15.6 Midnight Top Load in a new stylish midnight black material, which has a lockable[1], double-teeth zippered notebook compartment, secure RFID pocket to safeguard your ID, and a discrete pocket for an optional tracking device.[2] Keep everything in your bag safe during your daily commute with the HP Executive 15.6 Midnight Top Load in a new stylish midnight black.
Product number: 1KM15AA

HP USB-C Mini Dock



Be productive on the go with streamlined, pocket-sized port expansion that's fashionable and functional. The HP USB-C™ Mini Dock has a modern, textured design and packs pass-through charging[1] and data, video, network, and device connectivity[2] into a compact, portable dock. Be productive on the go with streamlined, pocket-sized port expansion that's fashionable and functional. The HP USB-C™ Mini Dock has a modern, textured design and packs pass-through charging[1] and data, video, network, and device connectivity[2] into a compact, portable dock.
Product number: 1PM64AA

HP External USB DVDRW Drive



Connect the HP External USB DVD/RW to any available USB port on your PC[1] to get immediate read/write access to your optical media. Connect the HP External USB DVD/RW to any available USB port on your PC[1] to get immediate read/write access to your optical media.
Product number: F2B56AA

HP Keyed Cable Lock 10 mm



Help keep your notebook safe in the office and high-traffic areas by tethering it to a secure surface with the HP Master Keyed Cable Lock 10mm, designed specifically for ultra-thin profile notebooks. Help keep your notebook safe in the office and high-traffic areas by tethering it to a secure surface with the HP Master Keyed Cable Lock 10mm, designed specifically for ultra-thin profile notebooks.
Product number: T1A62AA

HP 4 year Next Business Day Onsite Hardware Support for Notebooks

Care Pack

Receive 4 years of next business day onsite HW support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Product number: U7860E

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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.
[17] HP PhoneWise Client is only available on select platforms. For supported platforms and HP PhoneWise system requirements see www.hp.com/go/HPPhoneWise.
[18] HP ePrint Driver 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/eprintcenter). Print times and connection speeds may vary.
[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/cpc. 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.

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HP EliteBook 1050 G1
Options and Accessories

Item Number	Item Name	Education List Price	REMC SAVE Bid Price	REMC SKU
196291	Downgrade to 512GB SSD	325	-165	3TP28AV
196291	Upgrade to i7-8750H processor	344	150	3TN96AV
196291	Upgrade to touchscreen non-FHD	138	20	4SZ73AV
196291	external USB DVDRW drive	109	35	F2B56AA
196291	HP USB-C docking station	209	145	3FF69AA
196291	Apply district-supplied asset tag (75 unit minimum)	10	5	INA-ASSET
196291	Load customer-supplied image (75 unit minimum)	15	10	INA-IMAGE
196291	Upgrade to 1/1/1 onsite warranty	24	20	UA6Y9E
196291	Upgrade to 2/2/0 depot warranty	79	70	UB0A6E
196291	Upgrade to 2/2/2 depot warranty	136	125	UA6Z0E
196291	Upgrade to 3/3/0 depot warranty	126	110	UB0A7E
196291	Upgrade to 3/3/3 onsite warranty	249	225	UB0P8E
196291	Upgrade to 3/3/0 with accidental damage protection	264	250	UB0P7E
196291	Non-school price. EliteBook 1050 G1 i5. Add price to bundle and replace operating system with this SKU.	2599	25	3TV48AV
Can't find the options or accessories you're looking for? Check the REMC catalog or contact the vendor!				