

HP EliteBook 1050 G1 Notebook PC ()



Overview

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].

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].

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.

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.

Features

Let nothing stand in your way

Power through your day with Windows 10 Pro[1] and the powerful security, collaboration and connectivity features from HP.

High performance, high portability.

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].

A modern docking solution

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].

Preserve your privacy

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.

Keep visual hackers in the dark

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.

Browse and open attachments confidently

Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click[9].

[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.

Specifications

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);
Memory, maximum	32 GB DDR4-2666 SDRAM
Memory Slots	2 SODIMM
Hard drive, maximum 01	2 TB
Hard drive, minimum 01	256 GB
Hard drive controller type 01	PCIe® NVMe™ M.2 SSD ^[7]
Optical drive	Not included
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce® GTX 1050 (4 GB DDR5 dedicated);
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Display size (diagonal)	15.6"
Audio	Bang & Olufsen, Intel® SST Audio, dual array microphone, HP Noise Cancellation Software, HP Clear Sound Amp
Dimensions (W x D x H)	36 x 25.4 x 1.89 cm
Dimensions (W x D x H)	14.17 x 10 x 0.74 in
Weight	Starting at 2.06 kg; (Weight will vary by configuration.)
Weight	Starting at 4.54 lb; (Weight will vary by configuration.)
Keyboard	HP Premium Collaboration Keyboard
Pointing device	Glass ClickPad with chemically etched surface, gesture support, two-way scroll, two-finger zoom (pinch);
Input devices	Ambient light sensor; ^[13]
Camera	720p HD camera; HD IR webcam; ^[10,12,13]
Ports	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.)
Expansion slots	1 SD (Supports SD, SDHC, SDXC.)
Network interface	HP Module with NXP NFC Controller NPC300 I2C NCI;
Wireless	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]

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]
Ecolabels	ENERGY STAR® certified and EPEAT® Gold registered; ^[37]
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]
Sustainability specifications	Low halogen; TCO 5.0 Certified;
Security management	Absolute persistence module; HP BIOSphere Gen4; HP Device Access Manager; HP DriveLock and Automatic DriveLock; 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 Recover; HP Sure Run ^[22,23,24,25,26,27,28,29,30,31,33,39]
Software	HP Hotkey Support; HP JumpStart; HP Noise Cancellation Software; HP Recovery Manager; HP Support Assistant; HP Velocity; HP WorkWise; Buy Office (Sold separately) ^[9,15,16]
Manufacturer 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 . ^[36]

Additional specifications

Accessories	HP Thunderbolt Dock 230W G2 2UK38AA; HP Thunderbolt 230W 1m cable 3AQ24AA; HP 150W Smart AC Adapter 4.5mm US W2F74AA; HP Nano Keyed Cable Lock 1AJ39AA; HP Executive 15.6 Midnight Top Load 1KM15AA
Additional information about HP in the countries	hp.com
Battery life note	Battery is internal and not replaceable by customer. Serviceable by warranty.
Datasheet photo 1	Publication Photos/Zapmaster_1.jpg
Datasheet photo 2	Publication photos/HP-carepack-new-box.jpg
Datasheet photo 3	Publication Photos/Zapmaster_3.jpg
Datasheet photo 4	Publication Photos/Zapmaster_4.jpg
Datasheet photo 5	Publication Photos/Zapmaster_5.jpg
Datasheet publication number	4AA7-2692
Display description (metric)	39.6 cm (15.6") diagonal 4K IPS eDP + PSR anti-glare LED-backlit, 400 cd/m ² , 100% sRGB (3840 x 2160); 39.6 cm (15.6") diagonal FHD IPS eDP + PSR anti-glare LED-backlit, 400 cd/m ² , 100% sRGB (1920 x 1080); 39.6 cm (15.6") diagonal FHD IPS eDP + PSR anti-glare LED-backlit, 650 cd/m ² , 100% sRGB (1920 x 1080)
Display description fixed (imperial)	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)
Fingerprint reader	Fingerprint reader (select models)
Graphic card footnote number	[11]
Hard drive controller type 02	PCIe® NVMe™ M.2 SED SSD ^[7]
Hard drive controller type 03	M.2 SATA FIPS 140-2 SSD ^[7]
Hard drive controller type 04	SATA SED ^[7]
Hard drive, maximum 02	512 GB
Hard drive, maximum 03	512 GB
Hard drive, maximum 04	256 GB
Hard drive, minimum 02	256 GB
Internal Storage Note	Secondary storage is available up to 4 TB total.
Memory maximum note	Dual channel support.
Operating system	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business
Operating system	Windows 10 Pro 64 (National Academic only)
Operating system	Windows 10 Home 64
Operating system	Windows 10 Home Single Language 64

Operating system	FreeDOS 2.0
Playbook TS icon OS	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png
Playbook TS icon battery life	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png
Playbook TS icon connectivity	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png
Playbook TS icon dimensions NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png
Playbook TS icon display NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png
Playbook TS icon graphics	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS icon memory	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png
Playbook TS icon processor	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png
Playbook TS icon storage	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png
Playbook TS icon weight imperial	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png
Playbook TS icon weight metric	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png
Power supply required fixed	HP Smart 150 W Slim External AC power adapter
Processors	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) ^[3,4,5]
Product brand name	HP

[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>.

[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.

[12] Internet access required.

[13] Sold separately or as an optional feature.

[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.

[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.

Accessories for PC

Port Replicators/Dongles/Docking

★ : Recommended

Docking

HP USB-C/A Universal Dock G2	5TW13AA ★	obsolete
HP USB-C Dock G5	5TW10AA ★	obsolete

Cables/Cable Adapters/Dongles

HP HDMI to VGA Adapter	H4F02AA
HP USB-C to VGA Adapter	N9K76AA

Port Replicators

HP USB-C to USB-A Hub	Z6A00AA
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Security

Security Cables

HP Essential Combination Lock	T0Y16AA
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Components/Upgrades

Storage

HP External USB DVDRW Drive	F2B56AA
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Bags

Backpacks

HP Prelude Pro 15.6-inch Recycled Backpack	1X644AA
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Topload Bags

HP Prelude Pro 15.6-inch Recycled Top Load	1X645AA
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Mice/Pens/Other Pointing Devices

Wired Mice

HP Wired Desktop 320M Mouse	9VA80AA
USB Travel Mouse	G1K28AA

Monitors

Business Monitors

★ : Recommended

E-Series

HP E14 G4 Portable Monitor	1B065AA	obsolete
HP E24mv G4 FHD Conferencing Monitor	169L0AA	

Business LCD Monitors

HP P204v 19.5-inch Monitor	5RD66AA	
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Accessories

Point of Sales System Options

★ : Recommended

POS Display Accessories

HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66A8
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67A8
HP Engage One W 10.1-inch Touch Display	3FH67AA

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