Overview

HP EliteBook 840 14 inch G9 Notebook PC



Left

- Internal Microphones (2)
- **Ambient Light Sensor (Optional)**
- 3. Webcam
- Camera Shutter
- IR Camera (Optional)
- IR Camera LEDs (Optional)
- Glass Clickpad

- 8. Smartcard Reader (Optional)
- 9. LED Indicator
- **10.** Thunderbolt[™] 4 with USB4 Type-C[®] 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)1
- 11. Thunderbolt[™] 4 with USB4 Type-C[®] 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)¹
- **12.** SuperSpeed USB Type-A 5Gbps signaling rate (USB 3.2 Gen 1)
- 13. HDMI 2.0b Port (Cable not included)

1. SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

Overview



Right

- 1. Power Button Key
- 2. Audio Combo Jack
- **3.** SuperSpeed USB Type-A 5Gbps signaling rate (Charging) (USB 3.2 Gen 1)
- 4. Nano Security Lock Slot (Lock sold separately)
- 5. SIM Card Slot (Optional)
- 6. Touch Fingerprint Sensor (Select models)

Overview

At a Glance

- Preinstalled with Windows 11 versions or FreeDOS
- New premium ultraslim design with precision-crafted all-metal chassis for a premium look and feel
- 12th Generation Intel® Core™ i5, i7 U series and i5, i7 P series Processors up to fourteen-core
- New 16:10 ratio screen reduces the need to scroll by showing more vertical content than 16:9
- Optional ultrabright displays with HP Eye Ease, ambient light and ambient color sensors
- New 5MP camera4 with HP Auto Frame8 allows you around a little without losing viewers' attention during video calls
- New DDR5 memory and PCI Gen4 SSDs provide fast access to your work.
- Choice of displays:
 - 35.6 cm (14") diagonal WUXGA IPS Anti-Glare LED-backlit, 250 nits, 45% NTSC
 35.6cm (14") diagonal WUXGA IPS Anti-Glare On-Cell LED-backlit touch, 250 nits, 45% NTSC
 35.6 cm (14") diagonal WUXGA IPS Anti-Glare LED-backlit non-touch 400 nits, 100% sRGB with HP Eye Ease
 35.6cm (14") diagonal WUXGA IPS Anti-Glare LED-backlit non-touch, 1000 nits, 100% sRGB with HP Sure View Reflect with HP Eye Ease
- Redesigned keyboard layout to include easy use of discrete PgUp/Dn, End, and Home keys
- Choose from 38Whr or 51Whr battery options
- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.9
- · Larger Clickpad surface for easier, more intuitive input
- Connectivity with optional Intel® 5000 5G/WWAN available world-wide, and Thunderbolt™ Docking (Dock sold separately)
- Undergoes MIL-STD 810H tests1
- Supports fast charging (50% in 30 minutes) with no impact on battery recharge cycles3
- Designed to support all HP docking options including the HP Universal Dock G5

NOTE: See important legal disclosures for all listed specs in their respective features sections.



PRODUCT NAME

HP EliteBook 840 G9 14 inch G9 Notebook PC

OPERATING SYSTEMS

Preinstalled Windows 11 Pro

Windows 11 Pro Education 1

Windows 11 Home - HP recommends Windows 11 Pro for Business1

Windows 11 Home Single Language – HP recommends Windows 11 Pro for Business¹ Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) ¹

Windows 10 Pro (available through downgrade rights from Windows 11 Pro) 1,2

FreeDOS

- 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
- 2. This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

PROCESSORS

Processor ^{3,4,5,6,7}	Number	Number of	Number of	Thus a de	L3	Max Turbo Frequency		Base Frequency		Intel SIPP/vPro®
Processor	Cores	P-cores	E-cores	Threads	Cache	P- cores	E- cores	P- cores	E- cores	Enterprise
Intel® Core™ i7- 1280P	14	6	8	20	24MB	4.8 GHz	3.6 GHz	1.8 GHz	1.3 GHz	X
Intel® Core™ i7- 1270P	12	4	8	16	18MB	4.8 GHz	3.5 GHz	2.2 GHz	1.6 GHz	Х
Intel® Core™ i7- 1260P	12	4	8	16	18MB	4.7 GHz	3.4 GHz	2.1 GHz	1.5 GHz	
Intel® Core™ i5- 1250P	12	4	8	16	12MB	4.4 GHz	3.3 GHz	1.7 GHz	1.2 GHz	X
Intel® Core™ i5- 1240P	12	4	8	16	12MB	4.4 GHz	3.3 GHz	1.2 GHz	1.3 GHz	
Intel® Core™ i7- 1265U	10	2	8	12	12MB	4.8 GHz	3.6 GHz	1.8 GHz	1.3 GHz	X
Intel® Core™ i7- 1255U	10	2	8	12	12MB	4.7 GHz	3.5 GHz	1.7 GHz	1.2 GHz	
Intel® Core™ i5- 1245U	10	2	8	12	12MB	4.4 GHz	3.3 GHz	1.2 GHz	1.2 GHz	X
Intel® Core™ i5- 1235U	10	2	8	12	12MB	4.4 GHz	3.3 GHz	1.3 GHz	0.9 GHz	



- 3. 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. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- 5. Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
- 6. 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. Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro

CHIPSET

Chipset is integrated with processor

GRAPHICS

Integrated

Intel® Iris® Xe Graphics 8

Supports

Support HD decode, DX12, HDMI 2.0b, HDCP 2.3 9

- 8. Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 or 7 processors and single channel memory will only function as UHD graphics.
- 9. HDMI cable sold separately

DISPLAY

Non-Touch

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP camera (1920 x 1200) 10.11

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera (1920 x 1200) 10.11

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for WWAN (1920 x 1200) 10,111

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP camera for WWAN (1920 x 1200) 10.11

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera for WWAN (1920 x 1200) 10.11

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA eDP1.2, micro-edge, 250 nits, 45% NTSC, Narrow Bezel (1920 x 1200) 10,11

35.56 cm (14") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP+PSR, 400 nits, 100% sRGB, Low Power, Ambient Light Sensor+Ambient Color Sensor for 5MP Camera (1920 x 1200) with HP Eve Ease 10,11

35.56 cm (14") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP+PSR, 400 nits, 100% sRGB, Low Power, Ambient Light Sensor+Ambient Color Sensor for 5MP+IR Camera (1920 x 1200) with HP Eye Ease 10,11

35.56 cm (14") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP+PSR, 400 nits, 100% sRGB, Low Power, Ambient Light Sensor+Ambient Color Sensor for 5MP+IR Camera for WWAN (1920 x 1200) with HP Eye Ease 10,11



35.56 cm (14") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP1.3+PSR, 1000 nits, 100% sRGB with HP Sure View Reflect integrated privacy screen, Ambient Light Sensor+Ambient Color Sensor for 5MP camera (1920 x 1200) with HP Eye Ease 10,11,12,13

35.56 cm (14") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP1.3+PSR, 1000 nits, 100% sRGB with HP Sure View Reflect integrated privacy screen, Ambient Light Sensor+Ambient Color Sensor for 5MP+IR camera (1920 x 1200) with HP Eye Ease 10,11,12,13

35.56 cm (14") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP1.3+PSR, 1000 nits, 100% sRGB with HP Sure View Reflect integrated privacy screen, Ambient Light Sensor+Ambient Color Sensor for 5MP+IR camera for WWAN (1920 x 1200) with HP Eve Ease 10,11,12,13

Touch

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera Touch on Panel $(1920 \times 1200)^{10,11,13}$

35.56 cm (14") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera for WWAN Touch on Panel (1920 x 1200) 10,11,13

DisplayPort™ 1.2

HDMI 2.0 Support resolution up to 4K @60 Hz 9

Displays support

Supports dual display through the dock

Display Size (Diagonal)

14"

35.56 cm (14")

- 9. HDMI cable sold separately
- 10. HD content required to view HD images.
- 11. Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- 12. HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
- 13. Actual brightness will be lower with touchscreen or Sure View.

DOCKING (Sold Separately)

Docking station model #1HP Thunderbolt Dock G2Docking station model #2HP USB-C Dock G5

Docking station model #3 HP USB-C/A Universal Dock G2 For additional aftermarket options and docking specs please see page 41.



STORAGE AND DRIVES

Primary M.2 Storage

2 TB PCIe® Gen4x4 NVMe[™] M.2 SSD TLC ¹⁴
1 TB PCIe® Gen4x4 NVMe[™] M.2 SSD TLC ¹⁴
512 GB PCIe® Gen4x4 NVMe[™] M.2 SSD TLC ¹⁴
512 GB PCIe® Gen4x4 NVMe[™] SED TLC OPAL2 ¹⁴
512 GB PCIe® NVMe[™] Value M.2 SSD ¹⁴
256 GB PCIe® Gen4x4 NVMe[™] M.2 SSD TLC ¹⁴
256 GB PCIe® Gen4x4 NVMe[™] SED TLC OPAL2 ¹⁴
256 GB PCIe® NVMe[™] Value M.2 SSD ¹⁴

14. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10 and 11) is reserved for system recovery software.

MEMORY

Maximum Memory

64GB DDR5-4800 15

Memory

64GB DDR5-4800 (2x32GB) ¹⁵ 32GB DDR5-4800 (2x16GB) ¹⁵ 32GB DDR5-4800 (1x32GB) ¹⁵ 16GB DDR5-4800 (2x8GB) ¹⁵ 16GB DDR5-4800 (1x16GB) ¹⁵ 8GB DDR5-4800 (1x8GB) ¹⁵

Memory Slots

2 SODIMM DDR5 SODIMMS, system runs at 4800 Supports Dual Channel Memory

15. 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.

NETWORKING/COMMUNICATIONS

WLAN

Intel® AX211 Wi-Fi6E+BT5.2 M.2 160MHz CNVi World-Wide WLAN vPro ^{16,17,18} Intel® AX211 Wi-Fi6E+BT5.2 M.2 160MHz CNVi World-Wide WLAN non-vPro ^{16,18}

WWAN

Intel® 5000 5G Solution WWAN 19,20 Intel® XMM 7560 R+ LTE-Advanced Pro WWAN (Cat 16) 19

NFC

Near Field Communication (NFC) module ²¹ HP Module with NXP NFC Controller NPC300 I2C NCI

Miracast

Native Miracast Support 22



16. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.

17. For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled chipset, vPro enabled WLAN card and discrete TPM 2.0 are required. See https://www.intel.com/content/www/us/en/architecture-and-technology/vpro/vproplatform-general.html

18. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.

19. WWAN module is an optional feature, requires factory configuration and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.

20. Intel 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

- 21. Sold separately or as an optional feature.
- 22. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

AUDIO/MULTIMEDIA

Audio

Audio by Bang & Olufsen
2 Integrated stereo speakers
Discrete Amplifiers
Integrated dual array microphone

Speaker Power

1W/8ohm Per speaker

Camera

5 MP camera ²¹ 5 MP+IR camera ²¹

Sensors

ALS (ambient light sensor)
Magnetometer
Hall Sensor
Gyro
Accelerometer
HP Tamper Lock ²³

- 21. Sold separately or as an optional feature.
- 23. HP Tamper Lock must be enabled by the customer or your administrator.



Technical Specifications

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

HP Premium Keyboard, spill resistant, Backlit keyboard and DuraKeys ²⁴ HP Premium Keyboard, spill resistant, Non-Backlit keyboard and DuraKeys HP Premium Keyboard, spill resistant, Backlit keyboard and DuraKeys Privacy

Pointing Device

Clickpad with multi-touch gesture support, taps enabled as default Microsoft Precision Touchpad Default Gestures Support

Function Keys

ESC: system information F1 - Display Switching F2 - Blank or Privacy F3 - Brightness Down F4 - Brightness Up

F5 - Audio Mute F6 - Volume Down

F7 - Volume Up F8 - Mic Mute

F9 - Blank or Backlit Toggle

F10 - Insert

F11 - Airplane Mode

F12 - HP Command Center

home end

Power Button (with LED)

delete

Hidden Function Keys

Fn+R - Break Fn+S - Sys Rq Fn+C - Scroll Lock

24. Backlit keyboard is an optional feature.



SOFTWARE AND SECURITY

Software

HP Ouick Touch

HP Quick Drop 25

HP Easy Clean 26

HP PC Hardware Diagnostics Windows

mvHP

Tile App 27

HP Smart Support 28

HP Connection Optimizer

HP Hotkey Support

HP Support Assistant 29

HP Notifications

HP Privacy Settings

HP Power Manager

Buy Microsoft Office (Sold separately)

Manageability Features

HP Image Assistant Gen5 (download)

HP Manageability Integration Kit (download) 30

HP Client Management Script Library (download)

HP Driver Packs (download)

HP Cloud Recovery 31

HP Client Catalog (download)

Security Management

HP Wolf Security of Business 32 includes:

HP Sure Click 33

HP Sure Sense 34

HP Sure Run Gen5 35

HP Sure Recover Gen5 36

HP Sure Start Gen7 37

HP Tamper Lock

HP Sure Admin 38

HP Client Security Manager Gen7 39

BIOS

HP BIOSphere Gen6 40

HP Secure Erase 41

Absolute Persistence Module 42

HP DriveLock & Automatic DriveLock

BIOS Update via Network

HP Wake on WLAN

HP Fingerprint Sensor 43

Secured-Core PC Enable 44

TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified)



Security TPM

Model: Infineon SLB9672VU2.0

Version: 15.21 Revision: TPM 2.0

FIPS 140-2 Compliant: Yes

Smartcard Reader

Model number: Alcor AU9560 FIPS 201 Compliant: Yes

IPv6 Support

Yes

FirstNet Certified

Yes

Is the BIOS on this notebook ISO/IEC 19678:2015 (formerly NIST 800-147) compliant?: Yes

UEFI version: 2.7

Class: 3

- 25. HP Quick Drop requires Internet access and Windows 10 or higher PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and /or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.
- 26. HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.
- 27. Some Tile features require optional subscription to Tile Premium. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see https://support.thetileapp.com/hc/en-us/articles/200424778 for more information. Tile will function as long as the PC has battery power.
- 28. HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support.
- 29. HP Support Assistance requires Windows and Internet Access.
- 30. HP Manageability Integration Kit can be downloaded from

http://www8.hp.com/us/en/ads/clientmanagement/overview.html.

- 31. HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/document/c05115630.
- 32. HP Wolf Security for Business requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features and OS requirement.
- 33. HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
- 34. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
- 35. HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.
- 36. HP Sure Recover Gen5 with Embedded Reimaging is an optional feature which requires Windows 10 and higher must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module



- 37. HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher
- 38. HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
- 39. HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
- 40. HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- 41. HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
- 42. Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/.
- 43. HP Fingerprint sensor is an optional feature that must be configured at purchase.
- 44. Secured-Core PC Enable requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.



POWER

Power Supply

HP Smart 65 W USB Type-C adapter 45 HP Smart 45 W USB Type-C adapter 45

Battery

HP Long Life 3-cell, 38 Wh Polymer ^{46,47} HP Long Life 3-cell, 51 Wh Polymer ^{46,47} Compliant with UL 1642 Standard

Power Cord

3-wire plug - 1m 2-wire plug - 1m

Battery Life

Up to 10 hours (38Whr) 15W ⁴⁸
Up to 13 hours 30 minutes (51Whr) 28W ⁴⁸
Up to 14 hours (51Whr) 15W ⁴⁸

- 45. Availability may vary by country.
- 46. Battery is internal and not replaceable by customer. Serviceable by warranty.
- 47. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.
- 48. MM18 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.

WEIGHTS & DIMENSIONS

Product Weight- 38 Whr ⁴⁹ Starting at 3.00 lb Starting at 1.36 kg

Product Weight- 51 Whr 49 TBC

Product Dimensions (W x D x H)

12.42 x 8.82 x 0.76 in 31.56 x 22.405 x 1.92 cm

49. Weight will vary by configuration. Does not include power adapter.



PORTS/SLOTS

- 2 Thunderbolt[™] 4 with USB4 Type-C[®] 40Gbps signaling rate (USB Power Delivery, DisplayPort[™] 1.4) ⁵⁰
- 2 Super Speed USB Type-A 5Gbps signaling rate (1 charging) (USB 3.2 Gen 1)
- 1 HDMI 2.0 9
- 1 Headphone/microphone combo jack
- 1 Nano Security Lock Slot (Lock sold separately)
- 1 Smartcard reader (Optional)
- 1 nano SIM card slot
- 9. HDMI cable sold separately
- 50. SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.



Technical Specifications

SERVICE AND SUPPORT

1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty except for HP Long Life batteries which will follow the one or three year warranty of the platform. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. 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. 51

51. 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.



Technical Specifications

SYSTEM UNIT

Stand-Alone Power Requirements

(AC Power)

Type-C Adapter

Nominal Operating Voltage

AC 20V

Average Operating Power

Integrated graphics Yes
Discrete Graphics N/A

Max Operating Power UMA<65W

Temperature

Operating 32° to 95° F (0° to 35° C)

Non-operating 41° to 95° F (5° to 35° C) (writing optical)

Relative Humidity

Operating 10% to 90%, non-condensing

Non-operating 5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature

Shock

Operating 40 G, 2 ms, half-sine Non-operating 200 G, 2 ms, half-sine

Random Vibration

Operating 0.75 grams Non-operating 1.50 grams

Altitude (unpressurized)

Operating -50 to 10,000 ft (-15.24 to 3,048 m)

Non-operating -50 to 40,000 ft (-15.24 to 12,192 m)

Planned Industry Standard

Certifications

Regulatory Model Number HSN-I45C-4

UL Yes
CSA Yes
FCC Compliance Yes
ENERGY STAR® Certified 52

EPEAT® Gold in the United States 53

Yes

Yes

Yes

ICES Yes Australia / Yes **NZ A-Tick Compliance** Yes CCC Yes Japan VCCI Compliance Yes KC Yes **BSMI** Yes **CE Marking Compliance** Yes **BNCI or BELUS** Yes CIT Yes

Saudi Arabian Compliance (ICCP)

GOST

SABS

52. Configurations of the HP EliteBook 840 G9 that are ENERGY STAR® qualified are identified as HP EliteBook 840 G9 ENERGY STAR on HP websites and on http://www.energystar.gov.

53. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://www.epeat.net for more information.

DISPLAYS

Note: All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

1. Actual brightness will be lower with touchscreen or HP Sure View.

14.0 in WUXGA (1920 x 1200) Anti-Glare UWVA LED NTSC NB2X 250 eDP 1.2 w/o PSR 45 bent LCD Panel

 Outline Dimensions (W x H x D)
 307.590 x 199.550 (max)

 Active Area
 301.590 X 188.500 (typ)

Weight 300 (max)

Diagonal Size 14

Thickness 3.0 / 5.0 (max)

InterfaceeDP 1.2Surface TreatmentAnti-Glare

Touch Enabled No

Contrast Ratio1000:1(typ)Refresh Rate60 HzBrightness250 nits

Pixel Resolution - Format 1920 x 1200 (WUXGA)

BacklightWLEDPixel ResolutionRGBColor Gamut CoverageNTSC 45%Color Depth8 bits

Viewing Angle UWVA 89/89/89

Low Blue Light No

Power Consumption (W, EBL@ 2.20 (max) / 2.70 (max) 150nits max/ 200nits max)

14.0 in WUXGA (1920 x 1200) Anti-Glare UWVA LED NTSC NB2X 250 TOP eDP 1.2 w/o PSR 45 bent LCD Panel

 Outline Dimensions (W x H x D)
 307.590 x 199.550 (max)

 Active Area
 301.590 x 188.500 (typ)

Weight 300 (max)

Diagonal Size 14

Thickness 3.0 / 5.0 (max)
Interface eDP 1.2
Surface Treatment Anti-Glare
Touch Enabled Yes¹

Contrast Ratio 1000:1(typ)
Refresh Rate 60 Hz
Brightness 250 nits¹

Pixel Resolution - Format 1920 x 1200 (WUXGA)

BacklightWLEDPixel ResolutionRGB



Color Gamut Coverage NTSC 45% **Color Depth** 8 bits

Viewing Angle UWVA 89/89/89

Low Blue Light No

Power Consumption (W, EBL@ 150nits max/ 200nits max)

2.10 (max) / 2.60 (max)

14.0 in WUXGA (1920 x 1200) Anti-Glare UWVA WLED+LBL sRGB NB2X 400 eDP 1.4+PSR2 Low-Power 100 bent LCD Panel

 Outline Dimensions (W x H x D)
 307.590 x 199.550 (max)

 Active Area
 301.590 X 188.500 (typ)

Weight 210 (max)

Diagonal Size 14

Thickness 2.0 / 3.8 (max)
Interface eDP 1.4

Surface Treatment Anti-Glare

Touch Enabled No

Contrast Ratio1000:1(typ)Refresh Rate60 HzBrightness400 nits

Pixel Resolution - Format 1920 x 1200 (WUXGA)

BacklightWLEDPixel ResolutionRGBColor Count CountryCOLOR COUNTRY

Color Gamut Coverage sRGB 100% **Color Depth** 8 bits

Viewing Angle UWVA 89/89/89

Low Blue Light Yes

Power Consumption (W, EBL@ 1.29 (max) / 1.66 (max) 150nits max/ 200nits max)

14.0 in WUXGA (1920 x 1200) Anti-Glare UWVA WLED+LBL sRGB NB2Y 1000 eDP 1.3+PSR 100 PrivacyG4 Plus bent LCD Panel

 Outline Dimensions (W x H x D)
 307.600 x 199.550 (typ)

 Active Area
 301.680 x 188.500 (typ)

Weight 238 (max)

Diagonal Size 14

Thickness 2.2 / 3.9 (max)
Interface eDP 1.3
Surface Treatment Anti-Glare

Touch Enabled No.

Contrast Ratio 1500:1(typ)
Refresh Rate 60 Hz
Brightness 1000 nits

Pixel Resolution - Format 1920 x 1200 (WUXGA)

BacklightWLEDPixel ResolutionRGBColor Gamut CoveragesRGB 100%Color Depth8 bits



Viewing Angle UWVA 85/85/85

Low Blue Light Yes

Power Consumption (W, EBL@

150nits max/ 200nits max) N/A



STORAGE AND DRIVES

For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10 and 11) is reserved for system recovery software.

SSD 256GB 2280 PCIe-4x4 NVMe Three Laver Cell Form Factor M.2 2280
Capacity 256GB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 4000 MB/s ±20%

 Maximum Sequential Write
 2000 MB/s ±20%

 Logical Blocks
 500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features Pyrite 2.0; TRIM; L1.2

SSD 512GB 2280 PCIe-4x4 NVMe Three Layer Cell Form Factor M.2 2280
Capacity 512GB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 6400 MB/s ±20%

 Maximum Sequential Write
 3500 MB/s ±20%

Maximum Sequential Write3500 MB/s ±20Logical Blocks1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features Pyrite 2.0; TRIM; L1.2

SSD 1TB 2280 PCIe-4x4 NVMe Three Layer Cell Form Factor M.2 2280
Capacity 1TB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 6400 MB/s +20%

 $\begin{tabular}{ll} \mbox{Maximum Sequential Read} & 6400 \mbox{ MB/s $\pm 20\%$} \\ \mbox{Maximum Sequential Write} & 5000 \mbox{ MB/s $\pm 20\%$} \\ \end{tabular}$



Logical Blocks 2,000,409,264

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features Pyrite 2.0; TRIM; L1.2

SSD 2TB 2280 PCIe-4x4 NVMe Three Layer Cell Form Factor M.2 2280
Capacity 2TB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 6400 MB/s ±20%

 Maximum Sequential Nation
 5000 MB/s ±20%

Maximum Sequential Write5000 MB/s ±20%Logical Blocks4,000,797,360

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features Pyrite 2.0; TRIM; L1.2

256GB PCIe-4x4 2280 NVME Form Factor
Self Encrypted OPAL2 Capacity
Three Layer Cell Solid State
Drive NAND Type

Form Factor M.2 2280
Capacity 256GB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 4000 MB/s ±20%

 Maximum Sequential Write
 2000 MB/s ±20%

 Logical Blocks
 500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features TCG Opal 2.0; TRIM; L1.2

512GB PCIe-4x4 2280 NVME Form Factor
Self Encrypted OPAL2 Capacity
Three Layer Cell Solid State
Drive NAND Type

Form Factor M.2 2280
Capacity 512GB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 6400 MB/s ±20%



Maximum Sequential Write 3500 MB/s ±20% Logical Blocks 1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

0.09 in (2.3 mm)

Features TCG Opal 2.0; TRIM; L1.2

SSD 256GB 2280 PCIe NVMe Form Factor

Value

Form Factor M.2 2280
Capacity 256 GB
NAND Type TLC

Height

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen3X4

 Maximum Sequential Read
 1500 MB/s ±20%

 Maximum Sequential Write
 750 MB/s ±20%

 Logical Blocks
 500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features Pyrite 2.0; TRIM; L1.2

SSD 512GB 2280 PCIe NVMe Form Factor

Value

Form Factor M.2 2280
Capacity 512 GB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen3X4

 Maximum Sequential Read
 1500 MB/s ±20%

 Maximum Sequential Write
 750 MB/s ±20%

 Logical Blocks
 1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features Pyrite 2.0; TRIM; L1.2

NETWORKING/COMMUNICATIONS

Intel® AX211 Wi-Fi 6E + Bluetooth® 5.2 M.2 160MHz CNVi World-Wide

WLAN vPro®1

Wireless LAN Standards

IEEE 802.11a
IEEE 802.11b
IEEE 802.11g
IEEE 802.11n
IEEE 802.11ac
IEEE 802.11ax

IEEE 802.11n
IEEE 802.11ac
IEEE 802.11ax
IEEE 802.11d
IEEE 802.11e
IEEE 802.11h
IEEE 802.11i
IEEE 802.11k
IEEE 802.11r
IEEE 802.11r

Interoperability Wi-Fi certified
Frequency Band •802.11b/g/n/ax

2.402 – 2.482 GHz •802.11a/n/ac/ax 4.9 – 4.95 GHz (Japan) 5.15 – 5.25 GHz 5.25 – 5.35 GHz 5.47 – 5.725 GHz 5.825 – 5.850 GHz 5.955 – 6.415 GHz 6.435 – 6.515 GHz 6.535 – 6.875 GHz

6.895 - 7.115 GHz

Data Rates • 802.11b: 1, 2, 5.5, 11 Mbps

• 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

802.11n: max 300Mbps802.11ac: 1733Mbps802.11ax: max 2.4Gbps

Modulation Direct Sequence Spread Spectrum

OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM

• IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only

• AES-CCMP: 128 bit in hardware

802.1x authentication

• WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.

WPA2 certificationWPA3 certificationIEEE 802.11i

WAPI

Network Architecture

Roaming

Models

Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)

Output Power³ • 802.11b: +17dBm minimum

802.11g: +16dBm minimum
802.11a: +17dBm minimum

• 802.11n HT20(2.4GHz) : +14dBm minimum • 802.11n HT40(2.4GHz) : +13dBm minimum

IEEE 802.11 compliant roaming between access points

• 802.11n HT20(5GHz): +14dBm minimum 802.11n HT40(5GHz): +13dBm minimum 802.11ac VHT80(5GHz): +10dBm minimum 802.11ac VHT160(5GHz): +10dBm minimum

 802.11ax HE40(2.4GHz): +12dBm minimum 802.11ax HE80(5GHz): +10dBm minimum

802.11ax HE160(5GHz): +10dBm minimum

Power Consumption Transmit mode 2.0 W

Receive mode 1.6 W

 Idle mode (PSP) 180 mW (WLAN Associated) Idle mode 50 mW (WLAN unassociated)

Connected Standby 10mW

Radio disabled 8 mW

Power Management ACPI and PCI Express compliant power management

802.11 compliant power saving mode

Receiver Sensitivity⁴ 802.11b. 1Mbps: -93.5dBm maximum

> • 802.11b, 11Mbps : -84dBm maximum 802.11a/g, 6Mbps: -86dBm maximum • 802.11a/g, 54Mbps : -72dBm maximum • 802.11n, MCS07: -67dBm maximum • 802.11n, MCS15: -64dBm maximum

• 802.11ac, MCS0(VHT80): -84dBm maximum 802.11ac, MCS9(VHT80): -59dBm maximum 802.11ac, MCS9(VHT160): -58.5dBm maximum 802.11ax. MCS11(HE40): -57dBm maximum 802.11ax. MCS11(HE80): -54dBm maximum • 802.11ax, MCS11(HE160): -53.5dBm maximum

Antenna type High efficiency antenna with spatial diversity, mounted in the display

enclosure

Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications

Form Factor PCI-Express M.2 MiniCard

Dimensions 1. Type 2230: 2.3 x 22.0 x 30.0 mm

Weight 1. Type 2230: 2.8q

3.3v +/- 9% **Operating Voltage**

Temperature Operating 14° to 158° F (-10° to 70° C)

Non-operating -40° to 176° F (-40° to 80° C)

Humidity Operating 10% to 90% (non-condensing) Non-operating 5% to 95% (non-condensing)

0 to 10.000 ft (3.048 m) Operating

Altitude **Non-operating** 0 to 50,000 ft (15,240 m)

LED Amber - Radio OFF; LED White - Radio ON

LED Activity

HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2 Wireless Technology

Bluetooth Specification 4.0/4.1/4.2/5.0/5.1/5.2 Compliant

Frequency Band 2402 to 2480 MHz

Number of Available Legacy: 0~79 (1 MHz/CH) Channels BLE: 0~39 (2 MHz/CH)

Data Rates and Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps **Throughput** BLE: 1 Mbps data rate; throughput up to 0.2 Mbps

Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice

channels



Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps

asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)

Transmit Power The Bluetooth component shall operate as a Class II Bluetooth device with

a maximum transmit power of + 9.5 dBm for BR and EDR.

Power Consumption Peak (Tx): 330 mW

Peak (Rx): 230 mW

Selective Suspend: 17 mW

Bluetooth Software

Supported Link Topology Microsoft Windows Bluetooth Software

Power Management Microsoft Windows ACPI, and USB Bus Support **Certifications** FCC (47 CFR) Part 15C, Section 15.247 & 15.249

Power Management Certifications ETS 300 328, ETS 300 826 Low Voltage Directive IEC950

UL, CSA, and CE Mark

Bluetooth Profiles Supported

BT4.1-ESR 5/6/7 Compliance

LE Link Layer Ping LE Dual Mode LE Link Layer

LE Low Duty Cycle Directed Advertising LE L2CAP Connection Oriented Channels

Train Nudging & Interlaced Scan BT4.2 ESR08 Compliance

LE Secure Connection- Basic/Full

LE Privacy 1.2 –Link Layer Privacy

LE Privacy 1.2 –Extended Scanner Filter Policies

LE Data Packet Length Extension

FAX Profile (FAX)

Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP)

Advanced Audio Distribution Profile (A2DP)

BT5.2

ESR9/10 Compliance

LE Advertisement Extensions Channel Selection Algo

Limited High Duty Cycle Non-Connectable Advertising

2Mbps LE LE Long Range

- 1. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
- 2. Check latest software/driver release for updates on supported security features.
- 3. The FCC has declared as of September 1, 2014 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels.
- 4. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).



Intel® AX211 Wi-Fi 6E + Bluetooth® 5.2 M.2 160MHz CNVi World-Wide WLAN non-vPro®1

Wireless LAN Standards

IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac IEEE 802.11ax IEEE 802.11d IEEE 802.11e IEEE 802.11h

IEEE 802.11i IEEE 802.11k IEEE 802.11r IEEE 802.11v

Interoperability Wi-Fi certified **Frequency Band** •802.11b/q/n/ax

2.402 - 2.482 GHz •802.11a/n/ac/ax 4.9 - 4.95 GHz (Japan) 5.15 - 5.25 GHz 5.25 - 5.35 GHz 5.47 - 5.725 GHz 5.825 - 5.850 GHz 5.955 - 6.415 GHz 6.435 - 6.515 GHz 6.535 - 6.875 GHz 6.895 - 7.115 GHz

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OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM

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AES-CCMP: 128 bit in hardware

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 WPA2 certification WPA3 certification • IEEE 802.11i

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802.11ac VHT160(5GHz): +10dBm minimum
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• Receive mode 1.6 W

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Idle mode 50 mW (WLAN unassociated)

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 802.11n, MCS15: -64dBm maximum

802.11ac, MCS0(VHT80): -84dBm maximum
802.11ac, MCS9(VHT80): -59dBm maximum
802.11ac, MCS9(VHT160): -58.5dBm maximum
802.11ax, MCS11(HE40): -57dBm maximum
802.11ax, MCS11(HE80): -54dBm maximum
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Non-operating 5% to 95% (non-condensing)

LED Amber Radio OFF; LED Off – Radio ON

LED Activity LED Amber Radio OFF; LED Off – Radio ON

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asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)



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Selective Suspend: 17 mW

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Supported **Link Topology** Microsoft Windows Bluetooth Software

Power Management Microsoft Windows ACPI, and USB Bus Support Certifications FCC (47 CFR) Part 15C, Section 15.247 & 15.249

Power Management

ETS 300 328, ETS 300 826 Low Voltage Directive IEC950

UL, CSA, and CE Mark

Certifications

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LE Privacy 1.2 - Extended Scanner Filter Policies

LE Data Packet Length Extension

FAX Profile (FAX)

Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP)

Advanced Audio Distribution Profile (A2DP)

BT5.2

ESR9/10 Compliance **LE Advertisement Extensions** Channel Selection Algo

Limited High Duty Cycle Non-Connectable Advertising

2Mbps LE LE Long Range

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- Check latest software/driver release for updates on supported security features.
- 3. The FCC has declared as of September 1, 2014 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels
- 4. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).



Intel(R) 5G Solution 5000¹

Technology/Operating bands

WCDMA/HSPA+ operating bands: Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) LTE FDD/TDD operating bands: Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL) Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL) Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL) Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL) Band 18: 815 to 830 MHz (UL), 860 to 875 MHz (DL) Band 19: 830 to 845 MHz (UL), 875 to 890 MHz (DL) Band 20: 832 to 862 MHz (UL), 791 to 821 MHz (DL) Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL) Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL) Band 28: 703 to 748 MHz (UL), 758 to 803 MHz (DL) Band 29: 717 to 728 MHz (DL) Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL) Band 32: 1452 to 1496 MHz (DL) Band 34: 2010 to 2025 MHz (UL/DL) Band 38: 2570 to 2620 MHz (UL/DL) Band 39: 1880 to 1920 MHz (UL/DL) Band 40: 2300 to 2400 MHz (UL/DL) Band 41: 2496 to 2690 MHz (UL/DL) Band 42: 3400 to 3600 MHZ (UL/DL) Band 43: 3400 to 3800 MHZ (UL/DL) Band 46: 5150 to 5925 MHZ (DL) Band 48: 3550 to 3700 MHZ (UL/DL) Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) 5GNR Sub 6GHZ n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) n20: 832 to 862 MHz (UL), 791 to 821 MHz (DL) n25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL) n28: 703 to 748 MHz (UL), 758 to 803 MHz (DL) n38: 2570 to 2620 MHz (UL/DL) n40: 2300 to 2400 MHz (UL/DL) n41: 2496 to 2690 MHz (UL/DL) n48: 3550 to 3700 MHZ (UL/DL) n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) n71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) n77: 3300 to 4200 MHz (UL/DL) n78: 3300 to 3800 MHz (UL/DL)



n79: 4400 to 5000 MHz (UL/DL)

Wireless protocol standards 5GNR Air Interface

3GPP Rel15 5G NR sub-6

LTE Rel14

20 layers and 2 Gbps downlink (DL) throughput -4×4 MIMO across

5x CA

200 Mbps/uplink (UL) throughput - 40 MHz ULCA and 256 QAM

WCDMA R99.

3GPP Release 5, 6, 7 and 8 UMTS Specification

GPS Standalone, A-GPS (MS-A, MS-B)

GPS bands GPS: L1 (1575.42MHz)

GLONASS: L1 (1602MHz) BeidouB1(1561.098MHz) Galileo E1 (1575.42) OZSS(1575.42 MHz)

Maximum data rates SA 5G/NR sub-6 Peak: DL4.67Gbps/ UL 1.25Gbps

5G NSA sub 6G : DL: 3.8 Gbps/UL 700Mbps LTE: ue-CategoryDL 19, (DL : 1.6 Gbps) ue-CategoryUL 13 , (UL: 150Mbps)

DC-HSPA+: 42 Mbps (Download), 11.5 Mbps (Upload)

Maximum output power LTE: 23 dBm in all band except B41

LTE B41 HPUE = 26dBm

NR: 23 dBm in all band except n41, n77, n78 and n79

LTE n41, n77, n78 and n79 HPUE = 26dBm

HSPA+: 23.5 dBm

Maximum power 5G Sub 6: 2500 mA

consumption LTE: 1,300 mA (peak); 1100 mA (average)

HSPA+: 1,100 mA (peak); 800 mA (average)

Form Factor M.2, 3042-S3 Key B

Weight 8 g

Dimensions 52 mm × 30 mm × 2.6 mm

(Length x Width x Thickness)

1. 5G module is an optional feature that must be configured at purchase. AT&T and T-Mobile networks supported in the U.S. Module designed for 5G networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP, requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 5G not available on all products, in all regions. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select countries, where carrier supported.



Intel® XMM™ 7560 R+ LTE-Advanced Pro¹ Technology/Operating

bands

FDD LTE: 2100 (Band 1), 1900 (Band 2), 1800 (Band 3),

1700/2100 (Band 4), 850 (Band 5), 2600 (Band 7), 900 (Band 8), 700 (Band 12 lower), 700 (Band 13 upper), 700 (Band 14 upper), 700 (Band 17 lower), 850 (Band 18 lower), 850 (Band 19 upper), 800 (Band 20), 1900 (Band 25), 850 (Band 26), 700 (Band 28), 700 (Band 29 RX only),

2300 (Band 30), 1700/2100 (Band 66), 600 (band 71).

TDD LTE: 2100 (Band 34), 2600 (Band 38), 1900 (Band 39), 2400 (Band 40), 2500 (Band 41), 3500 (Band 42), 3700 (Band 43), 3700 (band 48),

5200 (Band 46 RX only) MHz;

HSPA+: 2100 (Band 1), 1900 (Band 2), 1700/2100 (Band 4),

850 (Band 5), 900 (Band 8) MHz

Wireless protocol

standards

3GPP Release 12 LTE Specification DL-CAT.16, DL 100MHz BW throughput up to 978Mbps; UL-CAT.13 40MHz throughput up to

150Mbps

WCDMA R99, 3GPP Release 5, 6, 7 and 8 UMTS Specification

GPS Standalone GPS/Beidou/Glonass, A-GPS (MS-A, MS-B)

GPS bands 1575.42 MHz ± 1.023 MHz. GLONASS 1596-1607MHz. Beidou 1561.098

MHz

Maximum data rates LTE: 978 Mbps (Download), 150 Mbps (Upload)

DC-HSPA+: 42 Mbps (Download), 5.76 Mbps (Upload) HSPA+: 21 Mbps (Download), 5.76 Mbps (Upload)

Maximum output power LTE: 23 dBm in all band except B41

LTE B41 HPUE = 26dBm HSPA+: 23.5 dBm

Maximum powerLTE: 1,200 mA (peak); 900 mA (average)consumptionHSPA+: 1,100 mA (peak); 800 mA (average)

Form Factor M.2, 3042-S3 Key B

Weight 6 q

Dimensions (Lenath x Width x

(Length x Width : Thickness)

42 x 30 x 2.3 mm

eSIM Support

1. Mobile Broadband is an optional feature, 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. 4G LTE is not available on all products, in all regions.



Near Field Communications Controller (optional) Dimensions (L x W x H)

Module 25 mm by 10 mm by 2.0 mm

Chipset

NPC100

System interface

I2C

NFC RF standards

ISO/IEC 14443 A ISO/IEC 14443 B ISO/IEC 15693

ISO/IEC 18092

ECMA-340 NFCIP-1 Target and Initiator

ECMA-320 NFCIP-2

NFC Forum Support

Tag Type 1, Type 2, Type3 and Type 4, NFCIP-1 and NFCIP-2

Reader (PCD-VCD)

Mode

ISO/IEC 14443 A ISO/IEC 14443 B ISO/IEC 15693 MIFARE 1K MIFARE 4K MIFARE DESFire

FeliCa

Jewel and Topaz cards

Card Emulation (PICC-

VICC) Mode

ISO/IEC 14443 A ISO/IEC 14443 B and B'

MIFARE FeliCa

Frequency 13.56 MHz

NFC Modes Supported Reader/Writer, Peer-to-Peer **Raw RF Data Rates** 106, 212, 424, 848 kbps

Operating temperature 0°C to 70°C Storage temperature -20°C to 125°C **Humidity** 10-90% operating 5-95% non-operating

Supply Operating voltage 4.35 to 5.25 Volts

I/O Voltage 1.8V or 3.3V

Power Consumption (Booster enable, VBAT= 3.3V, VCC_BOOST = 5V)

Mode Power Consumption, Typical

Polling 7.3 mA

Detected Test Tag Type 1 Total 283.8 mA

Net Module 236.8 mA

Detected Test Tag Type 2 Total 288.8 mA

Net Module 241.8 mA

Detected Test Tag Type 3 Total 287.7 mA

Net Module 240.7 mA

Detected Test Tag Type 4 Total 282.3 mA

Net Module 235.3 mA

Antenna connector, 0.5mm pitch, 7 connector FPC. Antenna matching is **Antenna**

external to module.



POWER

1. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors

Standard USB type C Straight 1.8m

AC Adapter 45 Watt nPFC Dimensions (H x W x D)

94.0mm x 40.0mm x 26.5mm

Weight

192.5g +/-10%

Input

Output

Input Efficiency Average Efficiency of 25%, 50%, 75%, 100%

load condition with 115Vac/230Vac Spec:

5V:81.5% 9V:86.7% 12V:87.41% 15V:87.8%

Input frequency range

47 ~ 63Hz

Input AC current

Max. 1.4 A at 90 Vac

Output power

5V/15W 9V/27W 12V/36W 15V/45W

DC output Hold-up time

5V/9V/12V/15V 5ms at 115 Vac input

Output current limit

<5.0A

Connector **C6**

Environmental Design

Operating temperature 32°F to 95°F (0° to 35°C)

Non-operating (storage) -4°F to 185°F (-20°to 85°C)

temperature

Altitude 0 to 16,400 ft (0 to 5000m)

Humidity 20% to 95% **Storage Humidity** 10% to 95%

EMI and Safety Certifications

*CE Mark - full compliance with LVD and EMC directives

* Worldwide safety standards - IEC60950-1 and/or IEC62368-1, EN60950-1 and/or EN62368-1, UL60950-1 and/or UL62368-1, Class1,

SELV:

Agency approvals - C-UL-US, NORDICS, DENAN, EN55032 Class B, FCC

Class B. CISPR32 Class B. CCC. NOM-001 NYCE.

* MTBF - over 200,000 hours at 25°C ambient condition.

AC Adapter 65 Watt nPFC Dimensions (H x W x D) Slim USB type C Straight 1.8m

88 x 53.5 x 21mm unit: 220g +/- 10g

Weight Input

Input Efficiency 81.5% min at 115 Vac/ 230Vac @ 5V/3A

86.7% min at 115 Vac/ 230Vac @ 9V/3A 88% min at 115 Vac/ 230Vac @ 12V/5A 89% min at 115 Vac/ 230Vac @ 15V/4.33A 89% min at 115 Vac/ 230Vac @ 20V/3.25A

Input frequency range

47 ~ 63 Hz

Input AC current

1.6 A at 90 VAC and maximum load

Output **Output power** 65W

> **DC** output 5V/9V/12V/15V/20V Hold-up time 5ms at 115 Vac input

Output current limit <8.0A

Connector **C6**

32°F to 95°F (0° to 35°C) **Environmental Design Operating**

temperature

Non-operating (storage) -4°F to 185°F (-20°to 85°C)

temperature

Altitude 0 to 16,400 ft (0 to 5000m)

Humidity 5% to 95% **Storage Humidity** 5% to 95%

EMI and Safety Ea:

Certifications *CE Mark - full compliance with LVD and EMC directives

> * Worldwide safety standards - IEC60950-1 and/or IEC62368-1. EN60950-1 and/or EN62368-1, UL60950-1 and/or UL62368-1, Class1,

SELV:

Agency approvals - C-UL-US, NORDICS, DENAN, EN55032 Class B, FCC

Class B, CISPR32 Class B, CCC, NOM-001 NYCE.

* MTBF - over 200,000 hours at 25°C ambient condition.

AC Adapter 65 Watt nPFC Dimensions (H x W x D) Standard USB type C Straight 1.8m

Input

Output

90.0mm x 51.0mm x 28.5mm

Weight 250g +/-10%

> **Input Efficiency** Average Efficiency of 25%, 50%, 75%, 100%

> > load condition with 115Vac/230Vac Spec:

5V:81.5% 9V:86.7% 12V:88% 15V:88% 20V:89%

Input frequency range 47 ~ 63Hz

Input AC current Max. 1.6 A at 90 Vac

5V/15W **Output power**

> 9V/27W 12V/60W 15V/60W 20V/65W

DC output 5V/9V/12V/15V/20V Hold-up time 5ms at 115 Vac input

Output current limit <8.0A

Connector **C6**

Operating Environmental Design 32°F to 95°F (0° to 35°C)

temperature

Non-operating (storage) -4°F to 185°F (-20°to 85°C)

temperature

Altitude 0 to 16,400 ft (0 to 5000m)

Humidity 20% to 95% Storage Humidity 10% to 95%

EMI and Safety Certifications

*CE Mark - full compliance with LVD and EMC directives

* Worldwide safety standards - IEC60950-1 and/or IEC62368-1. EN60950-1 and/or EN62368-1, UL60950-1 and/or UL62368-1, Class1,

SELV:

Agency approvals - C-UL-US, NORDICS, DENAN, EN55032 Class B, FCC

Class B, CISPR32 Class B, CCC, NOM-001 NYCE.

* MTBF - over 200,000 hours at 25°C ambient condition.

(38 Wh)1

HP 3-cell Long Life Li-Ion Dimensions (H x W x D)

251.8 x 66.1 x 6.82mm (9.91 x 2.6 x 0.27 inch)

Weight

0.184kg +/- 10g(0.406lb)

Cells/Type

3cell Lithium-Ion Polymer cell / 564975

Energy

Voltage 11.58V

Amp-hour capacity Watt-hour capacity1 3.283Ah 38Wh

Temperature

Operating (Charging)

32° to 113° F (0° to 45° C)

Operating (Discharging)

14° to 140° F (-10° to 60° C)

Fuel Gauge LED

NA

No

Warranty

Follow product spec

Optional Travel Battery

Available

HP 3-cell Long Life Li-Ion Dimensions (H x W x D)

(51 Wh)1

251.8*70.3*6.82mm (9.91*2.77*0.27 inch)

Weight

0.229kg +/- 10g(0.505 lb)

Cells/Type

3cell Lithium-Ion Polymer cell / 566075

Energy

Voltage 11.58V

Amp-hour capacity

4.431Ah

Watt-hour capacity¹

51.3Wh

Temperature

Operating (Charging)

32° to 113° F (0° to 45° C)

Operating (Discharging)

14° to 140° F (-10° to 60° C)

Fuel Gauge LED

NA

Warranty

Follow product spec

Optional Travel Battery

No

Available

AUDIO

HD Stereo Codec Realtek ALC3315

Audio I/O Ports Headset: CTIA only and Headphone-out

Internal Speaker Amplifier Cirrus Logic High-Efficiency Boosted Class D Amplifier

Multi-streaming Capable Playback multi-streaming can be enabled in the audio control panel to allow independent audio.

Following MSFT Behaviour

Sampling DAC: 44.1k/48kHz

ADC: 48kHz

Wavetable Syntheses

Analog Audio Support 3.5mm Headset: CTIA only and Headphone-out

of Channels on Line-Out

Internal Speaker Yes

FINGERPRINT READER

Sensor vendor Synaptics FS7604

Sensor type Capacitive DPI resolution 363DPI

Scan area 7.4x6mm sensor area

False Rejection Rate <1%

False Acceptance Rate 1:50K FAR
Mobile Voltage Operation 3.0V to 3.6V
Operating Temperature 0~60°C

Current Consumption

Image

Low Latency Wait For

Finger

260 uA

100mA Max

Capture Rate <30msec per image

ESD Resistance IEC 61000-4-2 4B (+/-15KV)

Detection Matrix 363 dpi / 7.4x6mm sensor area



Technical Specifications

ENVIRONMENTA DATA

ENVIRONMENTA DATA					
Eco-Label Certifications &	This product has received or is in the process of being certified to the following approvals and may				
declarations be labeled with one or more of these marks:					
	IT ECO declaration				
	US ENERGY STAR®				
	 US Federal Energy Management Program (FEMP) EPEAT[®] Gold registered in the United States. See http://www.epeat.net for rec 				
	status in your cour	ntry.			
	 TCO Certified 				
	China Energy Cons	ervation Prog	ram (CECP)		
	China State Enviro	nmental Prote	ection Adminis	tration (SEPA)	
	Taiwan Green Mark	k			
	Korea Eco-label				
	Japan PC Green lat	bel*			
Sustainable Impact	Ocean-bound plastic in Sp				
Specifications .	• 60% post-consumer recyc				
•	• Low halogen	•			
		ed cushions a	e 100% susta	inably sourced and recyclable	
				nably sourced and recyclable	
	Bulk packaging available				
System Configuration	The configuration used for	the Energy Co	nsumption an	d Declared Noise Emissions data for the	
	Notebook model is based o	n a "Typically	Configured No	tebook".	
	_				
Energy Consumption					
(in accordance with US					
ENERGY STAR® test					
method)	115VAC, 60Hz	230VAC	, 50Hz	100VAC, 50Hz	
Normal Operation (Sort					
idle)	5.88 W	6.17	' W	5.92 W	
Normal Operation (Long					
idle)	1.66 W	1.85		1.76 W	
Sleep	1.66 W	1.85	5 W	1.76 W	
Off	0.46 W	0.48	3 W	0.41 W	
	Note: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.				
Heat Dissipation*	115VAC, 60Hz	230VAC	, 50Hz	100VAC, 50Hz	
Normal Operation (Short					
idle)	20.1 BTU/hr	21.1 B	TU/hr	20.2 BTU/hr	
Normal Operation (Long					
idle)	5.7 BTU/hr	6.3 BT		6 BTU/hr	
Sleep	5.7 BTU/hr	6.3 BT		6 BTU/hr	
Off		4 6 5 7			
	1.6 BTU/hr	1.6 B I	U/hr	1.4 BTU/hr	
				1.4 BTU/hr sured watts, assuming the service level is	
Declared Noise Emissions	*NOTE: Heat dissipation is o				
Declared Noise Emissions (in accordance with	*NOTE: Heat dissipation is of attained for one hour.			sured watts, assuming the service level is	



HP EliteBook 840 14 inch G9 Notebook PC

QuickSpecs

Technical Specifications

Typically Configured — Idle	2.9		21	21.6	
Fixed Disk – Random writes				28.5	
Optical Drive – Sequential reads	4.1		33	.2	
Longevity and Upgrading	•	can be upgraded, possibly /or components contained	extending its useful life by seve in the	ral years. Upgradeable	
	Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.				
Additional Information	dire This (WE This Drin This www	ctive - 2011/65/EC. HP product is designed to EE) Directive - 2002/96/EC product is in compliance v king Water and Toxic Enfo product is in compliance v v.epeat.net tics parts weighing over 25 043.	vith California Proposition 65 (St	al and Electronic Equipment cate of California; Safe dard at the Gold level, see marked per ISO11469 and	
Packaging Materials	External:	PAPER/Corrugated		269 g	
		PAPER/Paper		3 g	
		PAPER/Molded Pulp		108 g	
	Internal:	PLASTIC/Polyethylene low density - LDPE		13 g	
	The plastic packaging material contains at least 0.0% recycled conten				
	The corrugated paper packaging materials contains at least 59.1% recycled content.				
RoHS Compliance	the restrictio our products legislation in We believe th	ns in the European Union (worldwide through the HF Europe, as well as China, I ne RoHS directive and simil	ar laws play an important role ir	bstances (RoHS) Directive to development of related n promoting industry-wide	
	elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products.				
	We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve.				
	To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.				
Material Usage	to the HP Ger	neral Specification for the I	e following substances in excess Environment at enship/environment/supplychai		
	 Asbestos Certain Azo Colorants Certain Brominated Flame Retardants – may not be used as flame retardants in plastics Cadmium Chlorinated Hydrocarbons 				



recillical Specifica			
	 Chlorinated Paraffins Bis(2-Ethylhexyl) phthalate (DEHP) Benzyl butyl phthalate (BBP) Dibutyl phthalate (DBP) Diisobutyl phthalate (DIBP) Formaldehyde Halogenated Diphenyl Methanes Lead carbonates and sulfates Lead and Lead compounds Mercuric Oxide Batteries Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. Ozone Depleting Substances Polybrominated Biphenyls (PBBs) Polybrominated Biphenyl Ethers (PBBEs) Polybrominated Biphenyl Oxides (PBBOs) Polychlorinated Biphenyl (PCB) Polychlorinated Terphenyls (PCT) Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. Radioactive Substances Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO) 		
Packaging Usage	 HP follows these guidelines to decrease the environmental impact of product packaging: Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. Eliminate the use of ozone-depleting substances (ODS) in packaging materials. Design packaging materials for ease of disassembly. Maximize the use of post-consumer recycled content materials in packaging materials. Use readily recyclable packaging materials such as paper and corrugated materials. Reduce size and weight of packages to improve transportation fuel efficiency. Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards. 		
End-of-life Management and Recycling	HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.		
HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf		



footnotes	 Percentage of ocean-bound plastic contained in each component varies by product Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
	 External power supplies, WWAN modules, power cords, cables and peripherals excluded. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic materials.

COUNTRY OF ORIGIN

China



Options and Accessories (Sold separately and availability may vary by country)

DOCKING (Sold Separately)

Dock Connectors

Docking station model #1

Total number of supported displays

(incl. the notebook display)

Max. resolutions supported

HP Thunderbolt Dock G2

4

Dual 4K @30Hz or dual 4K UHD @ 60Hz is supported Single 8K@ 30Hz (multiple tiles) for Thunderbolt hosts

Non-TBT hosts DP 1.4 in high res mode (1) 8K video single cable@30Hz [10]

2xDP, 1xVGA, 1xTB, 1xUSB-C alt-mode

Technical limitations Thunderbolt Hosts:

Maximum of (4) displays with maximum resolution of 5K@ 30Hz running

Thunderbolt host.

Max resolution possible is dual 8K displays @ 60Hz running Thunderbolt host

or running a non-Thunderbolt host in High Resolution mode @30Hz

Non-Thunderbolt hosts:

The highest resolution for dual displays running a non-Thunderbolt host in

multi-function mode is

(1) 5K dual cable (using both DP ports) +(1) 4K on USB-C DP port

Non-Thunderbolt hosts support (3) displays with a max resolution of: (2) 5K single cable + (1) 4K UHD @ 60 Hz in high resolution mode. In multi-function mode the maximum resolution for (3) displays is (2) 5K single cable @ 30Hz +

(1) 4K UHD @ 30Hz.

Docking station model #2

Total number of supported displays

(incl. the notebook display)
Max. resolutions supported

Dock Connectors

HP USB-C Dock G5

3

Dual 5K@ 30Hz + (1) 4K UHD (multi-function mode) [10]

1xHDMI. 2xDP

Technical limitations Highest resolution with dual displays is two 8K@ 60Hz host in High Resolution

mode.

Three maximum displays supported are two 5K@ 30 Hz on DP ports plus one

4K UHD@ 30 Hz on HDMI in multi-function mode

The highest resolution for a non-Thunderbolt host in Multi-function mode is a

single 5K dual cable (using both DP ports) + (1) 4K on HDMI port.

Docking station model #3

Total number of supported displays

(incl. the notebook display)
Max. resolutions supported

Dock Connectors
Technical limitations

HP USB-C/A Universal Dock G2

3

Triple 4K UHD@ 60Hz [10]

1xHDMI, 2xDP

The best resolution for dual or triple displays is 4K UHD@ 60Hz.

For use with the USB-A adapter that comes in the box the maximum number of displays supported is (2) 4k x 60 Hz on the Type-A Gen 1 connection from

the host

Options and Accessories (Sold separately and availability may vary by country)

Audio/Video HP Wired USB-A Stereo Headset 428K6AA Cases HP Executive 15.6 Backpack 6KD07AA HP Executive 15.6 Top Load 6KD06AA HP Executive 15.6 Top Load 6KD04AA HP Prelude G2 15.6 Top Load 1E7D6AA HP Prelude G2 15.6 Top Load 1E7D7AA HP Prelude Pro Recycled 15.6 Backpack 1E7D7AA HP Prelude Pro Recycled 15.6 Top Load 1K645AA HP Renew Business 14.1 Laptop Bag 3E5D9AA HP Renew Business 14.1 Laptop Bag 3E2U7AA HP Renew Business 17.3 Laptop Backpack 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E2U5AA HP Renew Business 15.6 Laptop Bag 3E2U5AA HP Thunderbolt 120W G2 Dock w/Audio 3XE57AA HP Thunderbolt 20W G2 Dock w/Combo Cable 3XR87AA HP USB-C 120W G5 Dock 5TW10AA HP USB-C 120W G5 Dock 5TW10AA HP USB-C No Moltiport Hub 50H55AA HP USB-C to BUSB-A Hub 26A00AA Adapter HP USB-C to RJ45 Adapter G2 42727AA HP USB-C to Gigabit RJ45 Adapter G2 42727AA HP HDMI to VG	Туре	Description	Part Number
Cases HP Executive 15.6 Backpack 6KD07AA HP Executive 15.6 Top Load 6KD06AA HP Executive Slim 14.1 Top Load 6KD04AA HP Prelude G2 15.6 Backpack 1E7D6AA HP Prelude Pro Recycled 15.6 Backpack 1E7D7AA HP Prelude Pro Recycled 15.6 Top Load 1K645AA HP Prelude Pro Recycled 15.6 Top Load 1K645AA HP Renew 14 Laptop Sleeve 2E6U9AA, 2E6U0AA HP Renew Business 14.1 Laptop Bag 3E2U5AA HP Renew Business 14.1 Laptop Sleeve 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E2U5AA HP Thunderbolt 120W G2 Dock 2UK37AA HP Thunderbolt 120W G2 Dock w/Combo Cable 3TR87AA HP Thunderbolt 120W G2 Dock w/Combo Cable 3TR87AA HP USB-C 120W G5 Dock 5TW13AA HP USB-C 120W G5 Dock 5TW13AA HP USB-C Mini Dock 1PM64AA HP USB-C Travel Dock G2 7PJ3BAA HP USB-C to USB-A Hub 26A00AA <td>Audio/Video</td> <td>HP Wired USB-A Stereo Headset</td> <td>428K6AA</td>	Audio/Video	HP Wired USB-A Stereo Headset	428K6AA
HP Executive Sim 14.1 Top Load 6KD06AA HP Executive Sim 14.1 Top Load 6KD06AA HP Executive Sim 14.1 Top Load 6KD04AA HP Prelude G2 15.6 Backpack 1E7D6AA HP Prelude G2 15.6 Top Load 1E7D7AA HP Prelude Pro Recycled 15.6 Backpack 1X644AA HP Prelude Pro Recycled 15.6 Backpack 1X644AA HP Prelude Pro Recycled 15.6 Top Load 1X645AA HP Prelude Pro Recycled 15.6 Top Load 1X645AA HP Renew 14 Laptop Sieeve 2E6U9AA,2E6V0AA HP Renew Business 14.1 Laptop Bag 3E5F9AA HP Renew Business 14.1 Laptop Bag 3E2U7AA HP Renew Business 17.3 Laptop Bag 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E2U6AA HP Renew Business 17.3 Laptop Bag 3E2U6AA HP Renew Business 15.6 Laptop Bag 3E5F8AA HP USB-C 120W G2 Dock W/Combo Cable 3TR87AA HP Thunderbolt 120W G2 Dock W/Combo Cable 3TR87AA HP USB-C 120W G5 Dock W/Combo Cable 3TR87AA HP USB-C 120W G5 Dock W/Combo Cable 5TW10AA HP USB-C 120W G2 Universal Dock 5TW10AA HP USB-C Mini Dock 1PM64AA HP USB-C Travel Dock G2 7PJ38AA HP USB-C Travel Dock G2 7PJ38AA HP USB-C to USB-A Hub 50H55AA HP USB-C to USB-A Hub 50H55AA HP USB-C to USB-A Hub 7E5A2BAA HP USB-C To RJ45 Adapter G2 4Z527AA HP USB-C to DisplayPort Adapter HP HDMI to VI Adapter HP HDMI to VI Adapter HP HDMI to VI Adapter N7P47AA HP USB-C to DisplayPort Adapter N7P47AA HP USB-C to USB 3.0 Adapter N7P45AA		HP Wired 3.5mm Stereo Headset	428K7AA
HP Executive Slim 14.1 Top Load	Cases	HP Executive 15.6 Backpack	6KD07AA
HP Prelude G2 15.6 Backpack		HP Executive 15.6 Top Load	6KD06AA
HP Prelude G2 15.6 Top Load 1E7D7AA HP Prelude Pro Recycled 15.6 Backpack 1X644AA HP Prelude Pro Recycled 15.6 Top Load 1X645AA HP Prelude Pro Recycled 15.6 Top Load 1X645AA HP Renew 14 Laptop Sleeve 2E6U9A,2E6V0AA HP Renew Business 14.1 Laptop Bag 3E5F9AA HP Renew Business 14.1 Laptop Bag 3E5F9AA HP Renew Business 14.1 Laptop Bag 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E5F8AA HP Renew Business 15.6 Laptop Bag 3E5F8AA HP Thunderbolt 120W G2 Dock w/Audio 3YE87AA HP Thunderbolt 120W G2 Dock w/Audio 3YE87AA HP Thunderbolt 230W G2 Dock w/Combo Cable 3TR87AA HP USB-C 120W G5 Dock 5TW10AA HP USB-C 120W G5 Dock 5TW10AA HP USB-C 120W G5 Dock 5TW10AA HP USB-C 120W G5 Universal Dock 5TW13AA HP USB-C Multiport Hub 50H55AA HP USB-C Multiport Hub 26A00AA HP USB-C to USB-A Hub 26A00AA Adapter 42527AA HP USB-C to USB-A Hub 26A00AA Adapter 42527AA HP USB-C to USB-A Hub 47727AA HP USB-C to USB-A WHP HDMI to DVI Adapter 47727AA HP USB-C to DisplayPort Adapter 47727AA 47727AA 47727AC 47727		HP Executive Slim 14.1 Top Load	6KD04AA
HP Prelude Pro Recycled 15.6 Backpack		HP Prelude G2 15.6 Backpack	1E7D6AA
HP Prelude Pro Recycled 15.6 Top Load		HP Prelude G2 15.6 Top Load	1E7D7AA
HP Renew 14 Laptop Sleeve 2E6U9AA, 2E6V0AA HP Renew Business 14.1 Laptop Bag 3E5F9AA HP Renew Business 14.1 Laptop Bag 3E2U7AA HP Renew Business 17.3 Laptop Backpack 3E2U5AA HP Renew Business 17.3 Laptop Backpack 3E2U5AA HP Renew Business 17.3 Laptop Bag 3E5F8AA HP Renew Business 17.5 Laptop Bag 3E5F8AA HP Renew Business 15.6 Laptop Bag 3E5F8AA HP Thunderbolt 120W G2 Dock 4HP Thunderbolt 230W G2 Dock 4HP Thunderbolt 230W G2 Dock 5TW10AA 4HP USB-C 120W G5 Dock 5TW10AA 4HP USB-C 120W G2 Universal Dock 5TW13AA 4HP USB-C 120W G2 Universal Dock 5TW13AA 4HP USB-C Travel Dock G2 7HJ38AA 4HP USB-C to USB-A Hub 50H55AA 4HP USB-C to USB-A Hub 2GA00AA 4Adapter 4Z527AA 4HP USB-C to USB-A Hub 4Z62AA 4HP USB-C to USB-A Hub 4HP USB-C to USB-A HUB 4HP USB-C to USB-A HUB 4HP USB-C to DisplayPort Adapter 4Z527AA 4HP USB-C to DisplayPort Adapter 4HF02AA 4HP USB-C to DISPLAYPORT Ada		HP Prelude Pro Recycled 15.6 Backpack	1X644AA
HP Renew Business 14.1 Laptop Bag HP Renew Business 14.1 Laptop Sleeve HP Renew Business 17.3 Laptop Backpack HP Renew Business 17.3 Laptop Backpack HP Renew Business 17.3 Laptop Bag BEJUSAA HP Renew Business 17.3 Laptop Bag HP Renew Business 15.6 Laptop Bag BESFBAA HP Renew Business 15.6 Laptop Bag HP Thunderbolt 120W G2 Dock HP Thunderbolt 120W G2 Dock w/Audio HP Thunderbolt 230W G2 Dock w/Combo Cable HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C/A 120W G2 Universal Dock HP USB-C/A 120W G2 Universal Dock HU USB-C Mini Dock HP USB-C Mini Dock HP USB-C Travel Dock G2 TPJ3BAA HP USB-C Travel Dock G2 TPJ3BAA HP USB-C to USB-A Hub TGA000A Adapter HP USB-C to Gigabit RJ45 Adapter G2 HP HDMI to VGA Adapter G2 HP HDMI to VGA Adapter G2 HP HDMI to VGA Adapter HP USB C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to HDMI 2.0 Adapter		HP Prelude Pro Recycled 15.6 Top Load	1X645AA
HP Renew Business 14.1 Laptop Sleeve HP Renew Business 17.3 Laptop Backpack HP Renew Business 17.3 Laptop Bag HP Renew Business 17.3 Laptop Bag HP Renew Business 15.6 Laptop Bag HP Renew Business 15.6 Laptop Bag HP Thunderbolt 120W G2 Dock HP Thunderbolt 120W G2 Dock W/Audio HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock TTW10AA HP USB-C 120W G2 Universal Dock HP USB-C Travel Dock HP USB-C Travel Dock G2 HP USB-C Travel Dock G2 HP USB-C to USB-A Hub Adapter HP USB-C to USB-A Hub TeApage HP USB-C to G2 HP USB-C to USB-A Hub HP USB-C to G3abit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to VI Adapter HP HDMI to VI Adapter HP HDMI to G1gabit RJ45 Adapter HP HDSB-C to D1splayPort Adapter HP USB-C to D1splayPort Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter N9K78AA HP USB-C to RJ45 Adapter		HP Renew 14 Laptop Sleeve	2E6U9AA,2E6V0AA
HP Renew Business 17.3 Laptop Backpack HP Renew Business 17.3 Laptop Bag HP Renew Business 17.3 Laptop Bag HP Renew Business 15.6 Laptop Bag BEFBAA Docking HP Thunderbolt 120W G2 Dock HP Thunderbolt 120W G2 Dock w/Audio HP Thunderbolt 230W G2 Dock w/Combo Cable HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock HP USB-C Main Dock HP USB-C/A 120W G2 Universal Dock HP Universal USB-C Multiport Hub HP USB-C Travel Dock G2 HP USB-C Travel Dock G2 HP USB-C to USB-A Hub HP USB-C to G1gabit RJ45 Adapter G2 HP USB-C to G1gabit RJ45 Adapter G2 HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to IJSB 3.0 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter		HP Renew Business 14.1 Laptop Bag	3E5F9AA
HP Renew Business 17.3 Laptop Bag HP Renew Business 15.6 Laptop Bag 3E5F8AA HP Thunderbolt 120W G2 Dock HP Thunderbolt 120W G2 Dock w/Audio 3YE87AA HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock HP USB-C 120W G2 Universal Dock TW10AA HP USB-C 120W G2 Universal Dock HP USB-C Nini Dock HP USB-C Mini Dock HP USB-C Travel Dock G2 TPJ38AA HP USB-C Travel Dock G2 TPJ38AA HP USB-C to USB-A Hub Adapter HP USB-C to USB-A Hub Adapter HP USB-C to Gigabit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to VGA Adapter HP HDMI to VGA Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to USB 3.0 Adapter HP USB-C to USB 3.0 Adapter		HP Renew Business 14.1 Laptop Sleeve	3E2U7AA
HP Renew Business 15.6 Laptop Bag Business 15.6 Laptop Bag HP Thunderbolt 120W G2 Dock HP Thunderbolt 120W G2 Dock w/Audio HP Thunderbolt 120W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock HP USB-C/A 120W G2 Universal Dock Hub HP USB-C Mini Dock HP USB-C Mini Dock HP USB-C Multiport Hub 50H55AA HP USB-C Travel Dock G2 7PJ38AA HP USB-C to USB-A Hub Z6A00AA Adapter HP USB-C to RJ45 Adapter G2 HP USB 3.0 to Gigabit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to DVI Adapter HP HDMI to DVI Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter		HP Renew Business 17.3 Laptop Backpack	3E2U5AA
Docking HP Thunderbolt 120W G2 Dock HP Thunderbolt 120W G2 Dock w/Audio 3YE87AA HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock HP USB-C/A 120W G2 Universal Dock Hub HP USB-C Mini Dock HP UsB-C Mini Dock HP UsB-C Travel Dock G2 TPJ38AA HP USB-C Travel Dock G2 TPJ38AA HP USB-C to USB-A Hub Adapter HP USB-C to RJ45 Adapter G2 HP USB 3.0 to Gigabit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter		HP Renew Business 17.3 Laptop Bag	3E2U6AA
HP Thunderbolt 120W G2 Dock w/Audio HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C 120W G5 Dock HP USB-C/A 120W G2 Universal Dock TPM64AA HP USB-C/A 120W G2 Universal Dock HP USB-C Mini Dock HP USB-C Mini Dock HP USB-C Multiport Hub 50H55AA HP USB-C Travel Dock G2 7PJ38AA HP USB-C to USB-A Hub Z6A00AA Adapter HP USB-C to RJ45 Adapter G2 4Z527AA HP USB 3.0 to Gigabit RJ45 Adapter G2 4Z777AA HP HP DMI to DVI Adapter F5A28AA HP HP DMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter N7P47AA HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter N9K78AA HP USB-C to USB 3.0 Adapter		HP Renew Business 15.6 Laptop Bag	3E5F8AA
HP Thunderbolt 230W G2 Dock w/Combo Cable HP USB-C 120W G5 Dock HP USB-C/A 120W G2 Universal Dock HUBB-C/A 120W G2 Universal Dock HUBB-C/A 120W G2 Universal Dock HP USB-C Mini Dock HP Universal USB-C Multiport Hub 50H55AA HP USB-C Travel Dock G2 7PJ38AA HP USB-C to USB-A Hub 26A00AA Adapter HP USB-C to RJ45 Adapter G2 42527AA HP USB 3.0 to Gigabit RJ45 Adapter G2 42727AA HP HDMI to DVI Adapter F5A28AA HP HDMI to USB Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to BJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to BJ45 Adapter HP USB-C to RJ45 Adapter	Docking	HP Thunderbolt 120W G2 Dock	2UK37AA
HP USB-C 120W G5 Dock HP USB-C/A 120W G2 Universal Dock Hub HP USB-C Mini Dock HP Universal USB-C Multiport Hub SoH55AA HP USB-C Travel Dock G2 TPJ38AA HP USB-C to USB-A Hub Z6A00AA Adapter HP USB-C to RJ45 Adapter G2 HP USB 3.0 to Gigabit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter HP USB-C to USB 3.0 Adapter		HP Thunderbolt 120W G2 Dock w/Audio	3YE87AA
Hub HP USB-C/A 120W G2 Universal Dock Hub HP USB-C Mini Dock HP Universal USB-C Multiport Hub 50H55AA HP USB-C Travel Dock G2 7PJ38AA HP USB-C to USB-A Hub Z6A00AA Adapter HP USB-C to RJ45 Adapter G2 4Z527AA HP USB 3.0 to Gigabit RJ45 Adapter G2 4Z7Z7AA HP HDMI to DVI Adapter F5A28AA HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter N9K78AA HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter N9K78AA HP USB-C to RJ45 Adapter N7W66AA HP USB-C to USB 3.0 Adapter		HP Thunderbolt 230W G2 Dock w/Combo Cable	3TR87AA
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HP Universal USB-C Multiport Hub HP USB-C Travel Dock G2 TPJ38AA HP USB-C to USB-A Hub Z6A00AA Adapter HP USB-C to RJ45 Adapter G2 HP USB 3.0 to Gigabit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to DVI Adapter F5A28AA HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter N7W66AA HP USB-C to USB 3.0 Adapter		HP USB-C/A 120W G2 Universal Dock	5TW13AA
HP USB-C to USB-A Hub Z6A00AA Adapter HP USB-C to USB-A Hub HP USB-C to RJ45 Adapter G2 HP USB 3.0 to Gigabit RJ45 Adapter G2 HP HDMI to DVI Adapter HP HDMI to VGA Adapter HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to DisplayPort Adapter HP USB-C to RJ45 Adapter HP USB-C to RJ45 Adapter N7W66AA HP USB-C to USB 3.0 Adapter N2Z63AA	Hub	HP USB-C Mini Dock	1PM64AA
Adapter HP USB-C to RJ45 Adapter G2 4Z527AA HP USB 3.0 to Gigabit RJ45 Adapter G2 4Z7Z7AA HP HDMI to DVI Adapter F5A28AA HP HDMI to DVI Adapter F5A28AA HP HDMI to VGA Adapter H4F02AA HP USB to Gigabit RJ45 Adapter N7P47AA HP USB to Gigabit RJ45 Adapter N7P47AA HP USB-C to DisplayPort Adapter N9K78AA HP USB-C to HDMI 2.0 Adapter 1WC36AA HP USB-C to RJ45 Adapter V7W66AA HP USB-C to USB 3.0 Adapter N2Z63AA		HP Universal USB-C Multiport Hub	50H55AA
Adapter HP USB-C to RJ45 Adapter G2 4Z7Z7AA HP USB 3.0 to Gigabit RJ45 Adapter G2 4Z7Z7AA HP HDMI to DVI Adapter F5A28AA HP HDMI to VGA Adapter H4F02AA HP USB to Gigabit RJ45 Adapter N7P47AA HP USB-C to DisplayPort Adapter N9K78AA HP USB-C to HDMI 2.0 Adapter 1WC36AA HP USB-C to RJ45 Adapter 1WC36AA HP USB-C to RJ45 Adapter N7W66AA HP USB-C to USB 3.0 Adapter N2Z63AA		HP USB-C Travel Dock G2	7PJ38AA
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HP HDMI to DVI Adapter HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter HP USB-C to USB 3.0 Adapter N2Z63AA	Adapter	HP USB-C to RJ45 Adapter G2	4Z527AA
HP HDMI to VGA Adapter HP USB to Gigabit RJ45 Adapter NP47AA HP USB-C to DisplayPort Adapter N9K78AA HP USB-C to HDMI 2.0 Adapter 1WC36AA HP USB-C to RJ45 Adapter V7W66AA HP USB-C to USB 3.0 Adapter		HP USB 3.0 to Gigabit RJ45 Adapter G2	4Z7Z7AA
HP USB to Gigabit RJ45 Adapter HP USB-C to DisplayPort Adapter N9K78AA HP USB-C to HDMI 2.0 Adapter 1WC36AA HP USB-C to RJ45 Adapter V7W66AA HP USB-C to USB 3.0 Adapter N2Z63AA		HP HDMI to DVI Adapter	F5A28AA
HP USB-C to DisplayPort Adapter HP USB-C to HDMI 2.0 Adapter HP USB-C to RJ45 Adapter V7W66AA HP USB-C to USB 3.0 Adapter N2Z63AA		HP HDMI to VGA Adapter	H4F02AA
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HP USB-C to RJ45 Adapter V7W66AA HP USB-C to USB 3.0 Adapter N2Z63AA		HP USB-C to DisplayPort Adapter	N9K78AA
HP USB-C to USB 3.0 Adapter N2Z63AA		HP USB-C to HDMI 2.0 Adapter	1WC36AA
·		HP USB-C to RJ45 Adapter	V7W66AA
HP USB-C to VGA Adapter N9K76AA		HP USB-C to USB 3.0 Adapter	N2Z63AA
		-	N9K76AA
Keyboard/Combo HP 975 USB+BT Dual-Mode Wireless Keyboard 3Z726AA	Keyboard/Combo	HP 975 USB+BT Dual-Mode Wireless Keyboard	3Z726AA
HP 455 Programmable Wireless Keyboard 4R177AA		HP 455 Programmable Wireless Keyboard	4R177AA
HP 125 WD USB Keyboard 266C9AA		HP 125 WD USB Keyboard	266C9AA
HP 320K WD USB Keyboard 9SR37AA		-	9SR37AA



Options and Accessories (Sold separately and availability may vary by country)

	HP 655 Wireless Keyboard and Mouse Combo	4R009AA
	HP 225 Wired Mouse and Keyboard Combo	286J4AA
	HP 235 Wireless Mouse and Keyboard Combo	1Y4D0AA
	HP Slim Wireless Keyboard and Mouse	T6L04AA
	HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
	HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA
Mouse	HP USB Premium Wireless Mouse	1JR31AA
	HP 435 Multi-Device Wireless Mouse	3B4Q5AA
	HP 125 USB-A Wired Mouse	265A9AA
	HP 128 USB Laser Wired Mouse	265D9AA
	HP 320M USB-A Wired Mouse	9VA80AA
	HP Creator USB-A+Bluetooth 935 Wireless Mouse Black	1D0K8AA
	HP USB-A+Bluetooth Multi-Device 635 Wireless Mouse Black	1D0K2AA
	HP USB-A+Bluetooth Travel Bluetooth Mouse	6SP30AA
Power	HP 65W USB-C Auto Chevy AC Power Adapter	5TQ76AA
	HP 45W USB-C G2 Zeus AC Power Adapter	1HE07AA
	HP 45W USB-C LC Dali AC Power Adapter	1MZ01AA
	HP 65W USB-C Hades AC Power Adapter	1HE08AA
	HP 65W USB-C LC AC Power Adapter	1P3K6AA
	HP 65W USB-C Travel Slim Kermit AC Power Adapter	3PN48AA
Commodity	HP USB DVD-Writer EXT ODD	F2B56AA
	HP Nano Keyed Cable Lock	1AJ39AA
	HP Nano Master Keyed Cable Lock	1AJ40AA
	HP SureKey Standard/Nano/Wedge Cable Lock	6UW42AA



HP EliteBook 840 G9 14 inch G9 Notebook PC

Change Log

Date of change:	Version History:	Description of change:
	V1 to V2	

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