Overview

HP EliteBook 865 16 inch G9 Notebook PC



- 1. Ambient Light Sensor (Optional)
- 2. Internal Microphones (2)
- **3.** Webcam LED (Optional)
- 4. Webcam
- 5 Camera Shutter
- 6. IR Camera (Optional)
- 7. IR Camera LEDs (Optional)

Left

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



Overview



Right

6.

- 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)
 - 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
- Latest AMD[®] Ryzen PRO and non-PRO 6000 U and HS series processors
- 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 camera¹ with HP Auto Frame² 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:
 40.6 cm (16") diagonal WUXGA IPS Anti-Glare LED-backlit non-touch, 250 nits, 45% NTSC
 40.6 cm (16") diagonal WUXGA IPS Anti-Glare On-Cell LED-backlit touch, 250 nits, 45% NTSC
 40.6 cm (16") diagonal WUXGA IPS Anti-Glare LED-backlit non-touch, 400 nits, 100% sRGB with HP Eye Ease
 40.6 cm (16") 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 51Whr or 76Whr battery options
- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.³
- Larger Clickpad surface for easier, more intuitive input
- Connectivity with optional 4G LTE WWAN available, and USB-C Docking (Dock sold separately)
- Undergoes MIL-STD 810H tests⁴
- Supports fast charging (50% in 30 minutes) with no impact on battery recharge cycles ⁵

1. Optional feature that must be configured at the time of purchase.

2. Requires the myHP application and Windows OS.

3. HP Wolf Security for Business requires Windows 10 and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features and OS requirements.

4. MIL-STD 810H is not intended to demonstrate fitness of U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

5. Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 and 100 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

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

PRODUCT NAME

HP EliteBook 865 16 inch G9 Notebook PC

OPERATING SYSTEMS

Preinstalled

Windows 11 Pro¹ Windows 11 Pro Education ¹ Windows 11 Home – HP recommends Windows 11 Pro for Business ¹ Windows 11 Home Single Language – HP recommends Windows 11 Pro for Business ¹ 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

AMD Ryzen[™] 9 PRO 6950HS APU (3.3 GHz base clock, up to 4.9 GHz max boost clock, 20 MB L2+L3 cache, 8 cores) Available in May 2022 ^{3,4,5,6}

AMD Ryzen[™] 7 PRO 6850HS APU (3.2 GHz base clock, up to 4.7 GHz max boost clock, 20 MB L2+L3 cache, 8 cores) ^{3,4,5,6} AMD Ryzen[™] 7 PRO 6850U APU (2.7 GHz base clock, up to 4.7 GHz max boost clock, 20 MB L2+L3 cache, 8 cores) ^{3,4,5,6} AMD Ryzen[™] 5 PRO 6650U APU (2.9 GHz base clock, up to 4.5 GHz max boost clock, 19 MB L2+L3 cache, 6 cores) ^{3,4,5,6} AMD Ryzen[™] 7 6800U APU (2.7 GHz base clock, up to 4.7 GHz max boost clock, 20 MB L2+L3 cache, 8 cores) ^{3,4,5,6} AMD Ryzen[™] 7 6800U APU (2.7 GHz base clock, up to 4.7 GHz max boost clock, 20 MB L2+L3 cache, 8 cores) ^{3,4,5,6} AMD Ryzen[™] 5 6600U APU (2.9 GHz base clock, up to 4.5 GHz max boost clock, 19 MB L2+L3 cache, 6 cores) ^{3,4,5,6}

Processor Family

AMD Ryzen[™] processor ⁷

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.

 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. AMD's numbering is not a measurement of clock speed.
 Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.



7. 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.

CHIPSET

Chipset is integrated with processor

GRAPHICS

Integrated

AMD Radeon™ Graphics

Supports

Support HW decode, DX12, HDMI 2.0, HDCP 2.3 ⁸

8. HD content required to view HD images.

DISPLAY

Non-Touch

40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP camera for WWAN (1920 x 1200) ^{8,9,10} 40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera for WWAN (1920 x 1200) ^{8,9,10}

40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera (1920 x 1200) ^{8,9,10} 40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP camera (1920 x 1200) ^{8,9,10}

40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC (1920 x 1200) 8.9.10

40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for WWAN (1920 x 1200) ^{8,9,10}

40.64 cm (16") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP+PSR, 400 nits, 100% sRGB, Low Power, Ambient Light Sensor for 5MP Camera (1920 x 1200) with HP Eye Ease ^{8,9,10}

40.64 cm (16") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP+PSR, 400 nits, 100% sRGB, Low Power, Ambient Light Sensor for 5MP+IR Camera (1920 x 1200) with HP Eye Ease ^{8,9,10}

40.64 cm (16") diagonal WUXGA Bent, Low Blue Light, anti-glare UWVA eDP+PSR, 400 nits, 100% sRGB, Low Power, Ambient Light Sensor for 5MP Camera for WWAN (1920 x 1200) with HP Eye Ease ^{8,9,10}

40.64 cm (16") 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 for 5MP camera (1920 x 1200) with HP Eye Ease ^{8,9,10,11,12}

40.64 cm (16") 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 5MP+IR camera (1920 x 1200) with HP Eye Ease ^{8,9,10,11,12}

40.64 cm (16") 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 5MP+IR camera for WWAN (1920 x 1200) with HP Eye Ease ^{8,9,10,11,12}

Touch

40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera Touch on Panel (1920 x 1200) ^{8,9,10,11,12}

40.64 cm (16") diagonal WUXGA Bent, anti-glare UWVA, 250 nits, 45% NTSC for 5MP+IR camera for WWAN Touch on Panel (1920 x 1200) ^{8,9,10,11,12}



DisplayPort [™] 1.2

Support HW decode, DX12, HDMI 2.0, HDCP 2.3 via HDMI/DP up to 4K@60Hz.

Displays Support

Supports 4 independent displays through the dock.

Display Size (Diagonal)

16" 40.64 cm (16")

8. HD content required to view HD images.
9. Sold separately or as an optional feature.
10. Resolutions are dependent upon monitor capability, and resolution and color depth settings.
11. 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.
12. Actual brightness will be lower with touchscreen or HP Sure View.

DOCKING (Sold Separately)

Docking station model #1
Docking station model #2
Docking station model #3

HP Thunderbolt Dock G2 HP USB-C Dock G5 HP USB-C/A Universal Dock G2

For additional aftermarket options and docking specs please see page 38.

STORAGE AND DRIVES

Primary M.2 Storage

2 TB PCIe[®] Gen4x4 NVMe[™] M.2 SSD TLC ¹³ 1 TB PCIe[®] Gen4x4 NVMe[™] M.2 SSD TLC ¹³ 512 GB PCIe[®] Gen4x4 NVMe[™] M.2 SSD TLC ¹³ 512 GB PCIe[®] Gen4x4 NVMe[™] SED TLC OPAL2 ¹³ 512 GB PCIe[®] NVMe[™] Value M.2 SSD ¹³ 256 GB PCIe[®] Gen4x4 NVMe[™] SED TLC OPAL2 ¹³ 256 GB PCIe[®] Gen4x4 NVMe[™] SED TLC OPAL2 ¹³ 256 GB PCIe[®] NVMe[™] Value M.2 SSD ¹³

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



MEMORY

Maximum Memory 64GB DDR5-4800 ¹⁴

Memory

64GB DDR5-4800 (2x32GB) ¹⁴ 32GB DDR5-4800 (2x16GB) ¹⁴ 32GB DDR5-4800 (1x32GB) ¹⁴ 16GB DDR5-4800 (2x8GB) ¹⁴ 16GB DDR5-4800 (1x16GB) ¹⁴ 8GB DDR5-4800 (1x8GB) ¹⁴

Memory Slots

2 SODIMM DDR5 SODIMMS, system runs at 4800 ¹⁴ Supports Dual Channel Memory

14. 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

Qualcomm[®] Fast Connect 6900 Wi-Fi 6E + Bluetooth[®] 5.3 M.2 2230 160MHz PCI-e+USB WW WLAN ¹⁵ Realtek 8852BE Wi-Fi 6 + Bluetooth[®] 5.3 M.2 2230 PCI-e+ USB World-Wide WLAN ¹⁶

WWAN

Intel[®] XMM[™] 7560 R+ LTE-Advanced Pro (Cat 16) WWAN ¹⁷

NFC

NFC Mirage WNC XRAV-1

Miracast

Native Miracast Support 18

15. 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. For systems with Windows 10, Wi-Fi 6E does not operate under the 6GHz band. The product is compatible with 6GHz and other routers, sold separately, which have capability to and will operate in 2.4Ghz and 5GHz bands. The actual throughput depends on network condition and router configuration.

16. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs.

17. 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.

18. 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 Integrated dual array microphone

Speaker Power

2W/4ohm Per speaker

Camera

Dual Array Digital Microphone 5MP USB2 Narrow Field of View Integrated Camera Dual Array Digital Microphone 5MP USB2 Infrared Narrow Field of View Integrated Camera

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

HP Premium Keyboard, spill resistant with numeric keypad and optional Backlit keyboard ¹⁹

Pointing Device

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

Function Keys

- 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 (Programmable Key)

Print Screen

Power Button (with LED)

Hidden Function Keys

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

19. Backlit keyboard is an optional feature.

SOFTWARE AND SECURITY

Software

HP Quick Touch HP Quick Drop ²⁰ HP Easy Clean²¹ HP PC Hardware Diagnostics Windows myHP HP Smart Support ²² HP Connection Optimizer HP Hotkey Support HP Support Assistant ²³ HP Notifications HP Privacy Settings HP Power Manager Buy Microsoft Office (Sold separately)

Manageability Features

HP Image Assistant Gen5 (download) HP Manageability Integation Kit (download)²⁴ HP Client Management Script Library (download) HP Driver Packs (download) HP Cloud Recovery²⁵ HP Client Catalog (download) DASH manageability (AIM-T feature) support by AMD Ryzen PRO APU and HP Windows OS, and BIOS version 01.02.01

NOTE: To enhance brightness, level go to the Intel[®] Graphics Command Center app, click on System and turn off the Display Power Savings function.

Security Management

HP Wolf Security of Business²⁶ includes:

HP Sure Click ²⁷ HP Sure Sense ²⁸ HP Sure Run Gen5 ²⁹ HP Sure Recover Gen5 ³⁰ HP Sure Start Gen7 ³¹ HP Tamper Lock HP Sure Admin ³² HP Client Security Manager Gen7 ³³

BIOS

HP BIOSphere Gen6 ³⁴ HP Secure Erase ³⁵ Absolute Persistence Module ³⁶ HP DriveLock & Automatic DriveLock BIOS Update via Network HP Wake on WLAN HP Fingerprint Sensor ³⁷ Secured-Core PC Enable ³⁸ TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified)



Security

TPM Model: Infineon SLB9670 Version: 7.85 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: Class 3

20. 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.

21. 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.

22. 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.

23. HP Support Assistance requires Windows and Internet Access

24. HP Manageability Integration Kit can be downloaded from

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

25. 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.

26. 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..

27. HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

28. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

29. HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

30. 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

31. HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher

32. 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

33. HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.



34. HP BIOSphere Gen6 features may vary depending on the platform and configuration.

35. 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™.

36. 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/

37. HP Fingerprint sensor is an optional feature that must be configured at purchase.

38. 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 100W+10W Slim USB-C+USB-A AC power adapter ³⁹ HP Smart 65 W USB Type-C adapter ³⁹ HP Smart 45 W USB Type-C adapter ³⁹

Battery

HP Long Life 3-cell, 51 Wh Polymer ^{40,41} HP Long Life 6-cell, 76 Wh Polymer ^{40,41} Compliant with UL 1642 Standard

Power Cord 3-wire plug - 1m 2-wire plug - 1m

Battery Life

Up to 17 hours 15 minutes (51 Wh battery) ⁴² Up to 26 hours 15 minutes (76 Wh battery) ⁴²

39. Availability may vary by country.

40. Battery is internal and not replaceable by customer. Serviceable by warranty.

41. 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.

42. 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 http://www.bapco.com for additional details.



WEIGHTS & DIMENSIONS

Product Weight ⁴³ Starting at 3.90 lb Starting at 1.769 kg

Product Dimensions (W x D x H)

14.12 x 9.88 x 0.76 in 35.87 x 25.09 x 1.92 cm

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

PORTS/SLOTS

2 USB4[™] Type-C[®] 40Gbps signaling rate (USB Power Delivery, DisplayPort[™] 1.4) 2 Super Speed USB Type-A 5Gbps signaling rate (1 charging) (USB 3.2 Gen 1) 1 HDMI 2.0 ⁴⁴ 1 Headphone/microphone combo jack

44. HDMI cable sold separately.

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.⁴⁵

45. 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.



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)	5
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-3
UL	Yes
CSA	Yes
FCC Compliance	Yes
ENERGY STAR [®]	Certified ⁴⁶
EPEAT [®]	EPEAT [®] Gold in United States ⁴⁷
ICES	Yes
Australia /	Yes
NZ A-Tick Compliance	Yes
ССС	Yes
Japan VCCI Compliance	Yes
КС	Yes
BSMI	Yes
CE Marking Compliance	Yes
BNCI or BELUS	Yes
CIT	Yes
GOST	Yes
Saudi Arabian Compliance (ICCP)	Yes
SABS	Yes



46. Configurations of the HP EliteBook 865 16 inch G9 Notebook PC that are ENERGY STAR® qualified are identified as HP EliteBook 865 16 inch G9 Notebook PC ENERGY STAR on HP websites and on http://www.energystar.gov. 47. 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.

.		
16.0 in WUXGA	Outline Dimensions (W x H x D)	350.380 x 226.170 (max)
(1920 x 1200) Anti-Glare	Active Area	344.678 x 215.424 (typ)
UWVA LED NTSC NB2X 250 eDP 1.2 w/o PSR 45 bent	Weight	390 (max)
LCD Panel	Diagonal Size	16
	Thickness	3.0 / 5.0 (max)
	Interface	eDP 1.2
	Surface Treatment	Anti-Glare
	Touch Enabled	No
	Contrast Ratio	1000:1(typ)
	Refresh Rate	60 Hz
	Brightness	250 nits
	Pixel Resolution - Format	1920 x 1280 (WUXGA)
	Backlight	WLED
	Pixel Resolution	RGB
	Color Gamut Coverage	NTSC 45%
	Color Depth	6
	Viewing Angle	UWVA 89/89/89
	Low Blue Light	No
	Power Consumption (W, EBL@ 150nits max/ 200nits max)	2.70 (max) / 2.40 (max)

16.0 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)	350.680 x 226.470 (max)
Active Area	344.680 x 215.420 (typ)
Weight	400 (max)
Diagonal Size	16
Thickness	3.0 / 5.0 (max)
Interface	eDP 1.2
Surface Treatment	Anti-Glare
Touch Enabled	Yes ¹
Contrast Ratio	1000:1(typ)



Refresh Rate	60Hz
Brightness	250 nits ¹
Pixel Resolution - Format	1920 x 1280 (WUXGA)
Backlight	WLED
Pixel Resolution	RGB
Color Gamut Coverage	NTSC 45%
Color Depth	8
Viewing Angle	UWVA 89/89/89/89
Low Blue Light	No
Power Consumption (W, EBL@ 150nits max/ 200nits max)	2.70 (max) / 2.40 (max)

16.0 in WUXGA	Outline Dimensions (W x H x D)	350.680 x 226.470 (max)
(1920 x 1200) Anti-Glare	Active Area	344.678 x 215.424 (typ)
UWVA WLED+LBL sRGB NB2X 400 eDP 1.4+PSR2	Weight	330 (max)
Low-Power 100 bent LCD	Diagonal Size	16
Panel	Thickness	2.6 / 4.6 (max)
	Interface	eDP 1.4
	Surface Treatment	Anti-Glare
	Touch Enabled	No
	Contrast Ratio	1000:1(typ)
	Refresh Rate	60 Hz
	Brightness	400 nits
	Pixel Resolution - Format	1920 x 1200 (WUXGA)
	Backlight	WLED
	Pixel Resolution	RGB
	Color Gamut Coverage	sRGB 100%
	Color Depth	8
	Viewing Angle	UWVA 89/89/89/89
	Low Blue Light	Yes
	Power Consumption (W, EBL@ 150nits max/ 200nits max)	1.60 (max) / 1.95 (max)

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

349.980 x 225.420 (max)
344.680 x 215.420 (typ)
310 (max)
16
2.2 / 3.9 (max)
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 x1200 (WUXGA)
Backlight	WLED
Pixel Resolution	RGB
Color Gamut Coverage	sRGB 100%
Color Depth	8
Viewing Angle	UWVA 85/85/85/85
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.

is reserved for system recov	-	
SSD 256GB 2280 PCIe-4x4 NVMe Three Layer Cell	Form Factor	M.2 2280
NVME TIMEE Layer Cell	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	Form Factor	M.2 2280
NVMe Three Layer Cell	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]
	Features	Pyrite 2.0; TRIM; L1.2
SSD 1TB 2280 PCIe-4x4	Form Factor	M.2 2280
NVMe Three Layer Cell	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%
	Maximum Sequential Write	5000 MB/s ±20%
	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	Form Factor	M.2 2280	
WMe Three Layer Cell	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 Write	5000 MB/s ±20%	
	Logical Blocks	4,000,797,360	
	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	M.2 2280	
elf Encrypted OPAL2	Capacity	256GB	
hree Layer Cell Solid State	NAND Type	TLC	
Drive	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	M.2 2280	
Self Encrypted OPAL2	Capacity	512GB	
Three Layer Cell Solid State		TLC	
Drive	Height	0.09 in (2.3 mm)	
	Width	0.09 in (2.3 min) 0.87 in (22 mm)	
	Weight	0.02 lb (10 g)	
	Interface Maximum Commutial Bood	PCIe NVMe Gen4X4	
	Maximum Sequential Read	6400 MB/s ±20%	
	Maximum Sequential Write	3500 MB/s ±20%	

hp

	Logical Blocks	1,000,215,215
	Operating Temperature	32° to 158°F (0° to 70°C) [ambient temp]
	Features	TCG Opal 2.0; TRIM; L1.2
SSD 256GB 2280 PCIe NVMe	Form Factor	M.2 2280
Value	Capacity	256 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	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	M.2 2280
Value	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

Realtek RTL8852BE 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3 (802.11ax 2x2, supporting gigabit data rate) 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 802.11d IEEE 802.11h IEEE 802.11i IEEE 802.11i IEEE 802.11r IEEE 802.11v
	Interoperability	Wi-Fi certified modules
	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
	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 300Mbps 802.11ac : max 866.7Mbps 802.11ax : max 1201Mbps
	Modulation	Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM
	Security ²	 IEEE and WiFi certified 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 certification WPA3 certification IEEE 802.11i WAPI
	Network Architecture	Ad-hoc (Peer to Peer)
	Models	Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between access points
	Output Power ³	 802.11b : +18.5dBm minimum 802.11g : +17.5dBm minimum 802.11a : +18.5dBm minimum 802.11n HT20(2.4GHz) : +15.5dBm minimum 802.11n HT40(2.4GHz) : +14.5dBm minimum



Technical Specifications • 802.11n HT20(5GHz) : +15.5dBm minimum 802.11n HT40(5GHz): +14.5dBm minimum 802.11ac VHT80(5GHz): +11.5dBm minimum • 802.11ax HE40(2.4GHz) : +10dBm minimum • 802.11ax HE80(5GHz) : +10dBm minimum • Transmit mode :2.5 W **Power Consumption** Receive mode :2 W Idle mode (PSP) 180 mW (WLAN Associated) Idle mode :50 mW (WLAN unassociated) Connected Standby/Modern 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 : -84dBm maximum •802.11ac, MCS9 : -59dBm maximum •802.11ax, MCS11(HE40): -57dBm maximum •802.11ax, MCS11(HE80): -54dBm maximum High efficiency antenna with spatial diversity, mounted in the display Antenna type 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 **Operating Voltage** 3.3v +/- 9% 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) Altitude Operating 0 to 10,000 ft (3,048 m) **Non-operating** 0 to 50,000 ft (15,240 m) **LED Activity** LED Amber – Radio OFF: LED OFF - Radio ON HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3 Wireless Technology Bluetooth Specification 4.0/4.1/4.2/5.0/5.1 Compliant/5.2/5.3 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

Not all configuration components are available in all regions/countries. c08098772 — DA17021 — Worldwide — Version 6 — October 19, 2022



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 + 4 dBm for BR and EDR.

1. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. Wi-Fi 6™ 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).



Qualcomm® Fast Connect 6900 Wi-Fi 6E + Bluetooth® 5.3 (802.11ax 2x2, AMD AIM-T AME, supporting gigabit file transfer speeds) 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 802.11h IEEE 802.11i IEEE 802.11k IEEE 802.11r IEEE 802.11v IEEE 802.11v IEEE 802.11w
	Interoperability	Wi-Fi certified
	Frequency Band	•802.11b/g/n/ax 2.402 – 2.482 GHz •802.11a/n/ac/ax 5.15 – 5.25 GHz 5.25 – 5.35 GHz 5.47 – 5.725 GHz 5.825 – 5.850 GHz 5.925 – 7.125 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 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz) 802.11ac : MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, ,80MHz & 160MHz) 802.11ax : MCS0 ~ MCS11, (1SS and 2SS) (20MHz, 40MHz, ,80MHz & 160MHz)
	Modulation	Direct Sequence Spread Spectrum OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM, 4096QAM
	Security ²	 AES-CCMP: 128 bit in hardware 802.1x authentication WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. WPA2 certification IEEE 802.11i
	Network Architecture Models	Wi-Fi Direct in Win10 for peer-to-peer connection. Infrastructure (Access Point Required)
	Roaming	IEEE 802.11 compliant roaming between access points
	Output Power ³	2.4GHz (MIMO, typical): • 802.11b : +18dBm • 802.11g : +16.5dBm • 802.11n/ac/ax (HT20/VHT20/HE20) : +16dBm • 802.11n/ac/ax (HT40/VHT40/HE40) : +12.5dBm 5GHz (MIMO, typical):



	• 802.11n/ac/ax	(HT20/VHT20/HE20) : +13.5dBm (HT40/VHT40/HE40) : +12.5dBm HT80/HE80) : +11.5dBm 0 : +11.5dBm MIMO, typical):: 1 : +1dBm 1 : +4dBm 2 : +7dBm
Power Consumption	• Idle mode (WLA	2.0 W IN associated): 300mW IN unassociated): 100mW Ited Standby: 10mW
Power Management		ress compliant power management t power saving mode
Receiver Sensitivity ⁴	 802.11g, 54Mb 802.11n, MCS7 802.11ac, MCS1 802.11ax, MCS1 5GHz (SISO): 802.11a, 54Mb 802.11ac, MCS1 802.11ax, MCS1 6GHz (SISO): 802.11a, 54Mb 802.11a, 54Mb 802.11a, 54Mb 802.11a, 54Mb 802.11a, 54Mb 802.11a, MCS7 802.11ac, MCS1 802.11ac, MCS1 	os : -82dBm maximum ps : -71dBm maximum : -64dBm maximum 9 : -52dBm maximum 11(HT40): -49dBm maximum ps : -71dBm maximum 7 : -64dBm maximum 9 : -52dBm maximum 11(HE80/HE160): -46dBm maximum ps : -71dBm maximum 2 : -52dBm maximum 11(HE160): -46dBm maximum
Antenna type	enclosure Two embedded c	ntenna with spatial diversity, mounted in the display Iual band 2.4/5/6 GHz antennas are provided to the card to IMO communications and Bluetooth communications
Form Factor	PCI-Express M.2	MiniCard
Dimensions	Туре 2230: 2.3 х	22.0 x 30.0 mm
Weight	Type 2230: 3g	
Operating Voltage	3.3 +/ 0.165v	
Temperature	Operating Non-operating	–10° to 60° C –40° to 85°C
Humidity	Operating Non-operating	10% to 60% (non-condensing) 5% to 95% (non-condensing)

	Altitude	Operating Non-operating	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
I	LED Activity	N/A	
HP Integrated Module with	Bluetooth 4.0/4.1/4.2/5.0)/5.1/5.2/5.3 Wire	eless Technology
I	Bluetooth Specification	4.0/4.1/4.2/5.0/5	5.1/5.2/5.3 Compliant
I	Frequency Band	2402 to 2480 MH	lz
	Number of Available Channels	Legacy: 0~79 (1 N BLE: 0~39 (2 MHz	
	Data Rates and Throughput	BLE: 1 Mbps data Legacy: Synchror channels Legacy: Asynchro	lata rate; throughput up to 2.17 Mbps a rate; throughput up to 0.2 Mbps hous Connection Oriented links up to 3, 64 kbps, voice onous Connection Less links 2178.1 kbps/177.1 kbps H5) or 864 kbps symmetric (3-EV5)
	Transmit Power		mponent shall operate as a Class 1.5 Bluetooth device transmit power of + 14 dBm and 10 dBm for BR and EDR,

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® 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)
	Wireless protocol standards	2100 (Band 1), 1900 (Band 2), 1700/2100 (Band 4), 850 (Band 5), 900 (Band 8) MHz 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+: 21Mbps (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 power	LTE: 1,200 mA (peak); 900 mA (average)
	consumption	HSPA+: 1,100 mA (peak); 800 mA (average)
	Form Factor	M.2, 3042-S3 Key B
	Weight	6 g
	Dimensions	42 x 30 x 2.3 mm
	(Length x Width x Thickness)	
	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 not available on all products or in all countries.

Near Field Communications Controller (optional) Dimensions (L x W x H)ModuleChipsetNPC100System interfaceI2CNFC RF standardsISO/IECISO/IECISO/IECISO/IECISO/IEC

Module 25 mm by 10 mm by 2.0 mm NPC100 I2C ISO/IEC 14443 A ISO/IEC 14443 B ISO/IEC 15693 ISO/IEC 18092

ECMA-340 NFCIP-1 Target and Initiator



NFC Forum Support Reader (PCD-VCD) Mode	ECMA-320 NFCIP-2 Tag Type 1, Type 2, Type3 and Type 4, NFCIP-1 and NFCIP-2 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	Antenna connector, 0.5mm pitch, 7 connector FPC. Antenna matching is 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

AC Adapter 45 Watt nPFC		94.0mm x 40.0mm x 26.5	mm
Standard USB type C	Weight	192.5g +/-10%	
Straight 1.8m	Input	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	Output power	5V/15W 9V/27W 12V/36W 15V/45W
		DC output	5V/9V/12V/15V
		Hold-up time	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) temperature	-4ºFto 185ºF (-20ºto 85ºC)
		Altitude	0 to 16,400 ft (0 to 5000m)
		Humidity	20% to 95%
		Storage Humidity	10% to 95%
	EMI and Safety Certifications	* Worldwide safety standa EN60950-1 and/or EN623 SELV; Agency approvals - C-UL-L Class B, CISPR32 Class B, C	with LVD and EMC directives ards - IEC60950-1 and/or IEC62368-1, 68-1, UL60950-1 and/or UL62368-1 , Class1, JS, NORDICS, DENAN, EN55032 Class B, FCC CCC, NOM-001 NYCE. urs at 25°C ambient condition.



Technical Specifi	cations		
AC Adapter 65 Watt nPFC Slim USB type C Straight		88 x 53.5 x 21 mm	
1.8m	Weight Input	unit: 220g +/- 10g 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	
	Environmental Design	Operating temperature	32°F to 95oF (0° to 35° C)
		Non-operating (storage) temperature	-4°F to 185°F (-20° to 85°C)
		Altitude	0 to 16,400 ft (0 to 5000m)
		Humidity	5% to 95%
		Storage Humidity	5% to 95%
	EMI and Safety Certifications	* Worldwide safety stand EN60950-1 and/or EN62 SELV; Agency approvals - C-UL- Class B, CISPR32 Class B,	e with LVD and EMC directives ards - IEC60950-1 and/or IEC62368-1, 368-1, UL60950-1 and/or UL62368-1 , Class1, US, NORDICS, DENAN, EN55032 Class B, FCC CCC, NOM-001 NYCE. ours at 25°C ambient condition.
AC Adapter 65 Watt nPFC	Dimensions (H x W x D)	90.0 mm x 51.0 mm x 28.	5 mm
Standard USB type C	Weight	250g +/-10%	
Straight 1.8m	Input	Input Efficiency	Average Efficiency of 25%, 50%, 75%, 100% load condition with 115Vac/230Vac Spec: 5V : 81.5%

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Output

Input frequency range

Input AC current

Output power

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

47~63Hz

5V/15W 9V/27W

Max. 1.6 A at 90 Vac

QuickSpecs **Technical Specifications** 12V/60W 15V/60W 20V/65W 5V/9V/12V/15V/20V **DC output** Hold-up time 5ms at 115 Vac input **Output current limit** <8.0A Connector C6 **Environmental Design** Operating 32°F to 95oF (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% HP 100W+10W Slim **USB-C+USB-A Straight Power Adapter Kenting**

vD and EMC directives EC60950-1 and/or IEC62368-1, JL60950-1 and/or UL62368-1 , Class1, RDICS, DENAN, EN55032 Class B, FCC M-001 NYCE. 5°C ambient condition.
EC60950-1 and/or IEC62368-1, JL60950-1 and/or UL62368-1 , Class1, RDICS, DENAN, EN55032 Class B, FCC IM-001 NYCE. IS°C ambient condition.
qe Efficiency of 25%, 50%, 75%, 100%
ge Efficiency of 25%, 50%, 75%, 100%
ge Efficiency of 25%, 50%, 75%, 100%
condition with 115Vac/230Vac Spec: 0A : 73.62% 0C : 81.5% 6.7% 88% 89% 89% 6 efficiency at 100W (20V/5A) output tion
53Hz
at 90 VAC and maximum load
0A/5V/9V/12V/15V/20V
at 115 Vac input
Α



rechnical Specifications				
	Environmental Design	Operating temperature	32°F to 95oF (0° to 35° C)	
		Non-operating (storage) temperature	-4°F to 185°F (-20° to 85°C)	
		Altitude	0 to 16,400 ft (0 to 5000m)	
		Humidity	20% to 95%	
		Storage Humidity	10% to 95%	
	EMI and Safety Certifications	Eg: *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.		
HP 3-cell Long Life Li-Ion	Dimensions (H x W x D)	251.8 x 70.3 x 6.82 mm (9	9.91 x 2.77 x 0.27 inch)	
(51 Wh) ¹	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 capacity	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 Available	No		

HP 6-cell Long Life Li-Ion (76 Wh) ¹	Weight Cells/Type	303.2 x 90.1 x 6.82 mm (11.94 x 3.55 x 0.27 inch) 0.357kg +/- 10g (0.787 lb) 6cell Lithium-Ion Polymer cell / 564975	
	Energy Temperature	Voltage Amp-hour capacity Watt-hour capacity Operating (Charging)	11.58V 6.565Ah 76Wh 32° to 113° F (0° to 45° C)
	Fuel Gauge LED Warranty Optional Travel Battery Available	Operating (Discharging) NA Follow product spec No	14° to 140° F (-10° to 60° C)



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
Wavetable Syntheses	ADC: 48kHz
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	100mA Max
Low Latency Wait For Finger	260 uA
Capture Rate	<30msec per image
ESD Resistance	IEC 61000-4-2 4B (+/-15KV)
Detection Matrix	363 dpi / 7.4x6mm sensor area



ENVIRONMENTAL DATA

Eco-Label Certifications &	This product has received or is in the process of being certified to the following approvals and may				
declarations	-	labeled with one or more of these marks:			
	IT ECO declaration				
	US ENERGY STAR	®			
	US Federal Energ	y Management Program (FE	MP)		
	-		ee http://www.epeat.net for registration		
	status in your co				
	TCO Certified				
	China Energy Cor	servation Program (CECP)			
	China State Envir	onmental Protection Admini	stration (SEPA)		
	Taiwan Green Ma	rk			
	Korea Eco-label				
	Japan PC Green la	abel*			
Sustainable Impact	Ocean-bound plastic in S				
Specifications	• 55% post-consumer rec	ycled plastic			
	 Low halogen 				
	Outside Box and corruga	ited cushions are 100% sust	ainably sourced and recyclable		
	Molded Paper Pulp Cush	ion inside box is 100% susta	inably sourced and recyclable		
	Bulk packaging available				
System Configuration	-		nd Declared Noise Emissions data for the		
	Notebook model is based on a "Typically Configured Notebook".				
Energy Consumption					
(in accordance with US					
ENERGY STAR [®] test					
method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz		
Normal Operation (Sort					
idle)	5.46 W	5.59 W	5.43 W		
Normal Operation (Long					
idle)	1.29 W	1.32 W	1.19W		
Sleep	1.29 W	1.32 W	1.19W		
Off	0.42 W	0.47 W	0.42 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 [®] operation	ating system.			
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz		
Normal Operation (Short					
idle)	18.7 BTU/hr	19.1 BTU/hr	18.6 BTU/hr		
Normal Operation (Long					
idle)	4.4 BTU/hr	4.5 BTU/hr	4.1 BTU/hr		
Sleep	4.4 BTU/hr	4.5 BTU/hr	4.1 BTU/hr		



Off	1.4 BT	TU/hr 1.6 BTU/hr			1.4 BTU/hr
		: Heat dissipation is calculated based on the measured watts, assuming the service level is ed for one hour.			
Declared Noise Emissions		Sound Power		Sound P	Pressure
(in accordance with		(L _{WAd} , bels)		(L _{pAm} , de	
ISO 7779 and ISO 9296)		(-11/14)		(_p/m) =	,
Typically Configured – Idle		2.6		14	l.4
Fixed Disk – Random writes		2.8		25	5.3
Optical Drive – Sequential		3.6		33	8.1
reads					
Longevity and Upgrading	-		led, possibly extending i its contained in the	ts useful life by seve	eral years. Upgradeable
	Spare parts a production.	re available t	hroughout the warranty	period and or for up	to "5" years after the end of
Additional Information	direc	tive - 2011/6			
		-		h the Waste Electrica	al and Electronic Equipment
	-	-	- 2002/96/EC. compliance with Califorr	in Proposition 65 (St	tate of California: Safe
		-	d Toxic Enforcement Ac		lale of California, Sale
		-			dard at the Gold level, see
	 This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see www.epeat.net 				
	 Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and 				
	ISO1043.				
	• This	product is 92	.9% recycle-able when p	properly disposed of	at end of life.
Packaging Materials	External:	PAPER/Corrugated 287 g		287 g	
		PAPER/Pap	erboard		72 g
		PAPER/Mol	ded Pulp		162 g
		PAPER/Pap	er		4 g
			13 g		
	The plastic p	ackaging ma	terial contains at least 0	.0% recycled conten	t.
	The corrugat	ted paper pac	kaging materials contai	ns at least 51.8% rec	cycled content.
RoHS Compliance	HP Inc. compl	ies fully with	materials regulations. V	le were among the f	irst companies to extend
	the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS)			bstances (RoHS) Directive to	
our products worldwide through the HP GSE. HP has contributed to the developmen			development of related		
	legislation in Europe, as well as China, India, and Vietnam.				
	We believe the RoHS directive and similar laws play an important role in promoting industry-wide				
elimination of substances of concern. We have supported the inclusion of additional including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertain and electronics products.			of concern. We have sup		
			n that pertains to electrical		
			ctive to achieve worldwi all relevant products by	-	the new EU RoHS ill 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	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at			
	http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):			
	Asbestos Certain Azo Colorants			
	 Certain A20 Colorants Certain Brominated Flame Retardants – may not be used as flame retardants in plastics 			
	Cadmium Cadmium			
	Chlorinated Hydrocarbons			
	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 Delubrominated Biphopuls (DBBs)			
	 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	For more information about HP's commitment to the environment:			
Information	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.htm				
	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) Docking station model #1 Total number of supported displays (incl. the notebook display) Max. resolutions supported Dock Connectors	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 2xDP, 1xVGA, 1xTB, 1xUSB-C alt-mode
Technical limitations	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 Technical limitations	HP USB-C Dock G5 3 Dual 5K@ 30Hz + (1) 4K UHD (multi-function mode 1xHDMI, 2xDP 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 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)

Туре	Description	Part Number
Cases	HP Executive 15.6 Backpack	6KD07AA
	HP Executive 15.6 Top Load	6KD06AA
	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 Top Load	1X645AA
	HP Renew Business 17.3 Laptop Backpack	3E2U5AA
	HP Renew Business 17.3 Laptop Bag	3E2U6AA
Docking	HP Thunderbolt 120W G2 Dock	2UK37AA
	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/A 120W G2 Universal Dock	5TW13AA
Hub	HP USB-C Mini Dock	1PM64AA
	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	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	V7W66AA
	HP USB-C to USB 3.0 Adapter	N2Z63AA
	HP USB-C to VGA Adapter	N9K76AA
Keyboard/Combo	HP 125 WD USB Keyboard	266C9AA
	HP 320K WD USB Keyboard	9SR37AA
	HP 225 Wired Mouse and Keyboard Combo	286J4AA
	HP 235 Wireless Mouse and Keyboard Combo	1Y4DOAA
	HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
	HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA
	HP 975 USB+BT Dual-Mode Wireless Keyboard	3Z726AA
	HP 455 Programmable Wireless Keyboard	4R177AA



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

	HP 655 Wireless Keyboard and Mouse Combo	4R009AA
Mouse	HP USB Premium Wireless Mouse	1JR31AA
	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	1DOK8AA
	HP USB-A+Bluetooth Multi-Device 635 Wireless Mouse Black	1DOK2AA
	HP USB-A+Bluetooth Travel Bluetooth Mouse	6SP30AA
Power	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	1РЗК6АА
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

Change Log

Date of change:	Version History:		Description of change:
May 6, 2022	V1 to V2	Added	Environmental Data
June 8, 2022	V2 to V3	Updated	Battery Life
June 15, 2022	V3 to V4	Added	Added note in Manageability Feature
August 30, 2022	V4 to V5	Added	DASH Manageability
October 19, 2022	V5 to V6	Updated	Bluetooth version
	V6 to V7		

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