Overview

HP ZBook Power G10 A Mobile Workstation PC



- 1. Webcam LED (Optional)
- 2. Internal Microphones (2)
- 3. Webcam
- 4. IR Camera (Optional)
- 5. Camera Shutter
- 6. IR Camera LEDs (Optional)
- 7. Glass Clickpad
- 8. Power Button Key
- 9. LED Indicator

Right

- 10. Power connector
- 11. USB Type-C[®] with Thunderbolt™ 4
- 12. USB 3.2 Gen 1
- 13. USB 3.2 Gen 1
- 14. Audio Combo Jack
- 15. Touch Fingerprint Sensor (Select models)
- 16. Speakers

Overview



Left

- 1. Nano Security Lock Slot (Lock sold separately)
- 2. RJ-45
- 3. SuperSpeed USB Type-A 5Gbps signaling rate (Charging)
- 4. HDMI 2.1 Port (Cable not included)
- 5. Smart Card Reader (optional)

Overview



Bottom

1. Fan Venting

Overview

At A Glance

- Premium ultraslim design with precision-crafted all-metal chassis for a premium look and feel
- Latest AMD® Ryzen PRO 7000 HS series processors and AMD® Ryzen 7000 HS series processors
- Preinstalled with Windows 11 versions or FreeDOS
- 5MP camera (with 88 degree Field of View) with HP Auto Frame allows you to move around without losing viewers' attention during video calls
- New DDR5 5600 memory and PCI Gen4 SSDs provide fast access to your work
- Choice of displays:
 - 39.6 cm (15.6") diagonal, FHD (1920 x 1080), narrow bezel, anti-glare, Touch on Panel (TOP), 250nits, 45% NTSC
 - o 39.6 cm (15.6") diagonal, FHD (1920 x 1080), narrow bezel, anti-glare, 250 nits, 45% NTSC
 - 39.6 cm (15.6") diagonal, FHD (1920 x 1080), narrow bezel, anti-glare, Low Blue Light, 400nits, Low-Power, 100% sRGB
 - o 39.6 cm (15.6") diagonal, QHD (2560 x 1440), narrow bezel, anti-glare, Low Blue Light, 300 nits, 100% sRGB
- Premium keyboard layout to include easy use of discrete PgUp/Dn, End, and Home keys
- Integrated AMD Radeon Graphics w/ Pro Graphics driver or Optional NVIDIA RTX A1000/2000/4050 ada pro graphics for improved performance for heavier graphics workloads.
- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.9
- Larger Clickpad surface for easier, more intuitive input
- Undergoes MIL-STD 810H 19 tests
- Supports fast charging (50% in 30 minutes) with no impact on battery recharge cycles
- Designed to support all HP docking options

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



Features

OPERATING SYSTEM

Preinstalled OS Windows 11 Pro ²

Windows 11 Pro Education ²

Windows 11 Home - HP recommends Windows 11 Pro for business²

Windows 11 Home Single Language - HP recommends Windows 11 Pro for business 2

Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing

Agreement)2

Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)^{2,3}

FreeDOS

² 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.

³This 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.

NOTE: Your product does not support Windows 8 or Windows 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. A full list of HP products and the Windows 10 versions tested is available on the HP support website. https://support.hp.com/us-en/document/c05195282

PROCESSOR

AMD Ryzen™ 5 7640HS (with Radeon NAVI 3 Graphics 4.3 GHz base clock, up to 5.0 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)^{1,2,4}

AMD Ryzen[™] 5 PRO 7640HS (4.3 GHz base clock, up to 5.0 GHz max boost clock,16 MB L3 cache, 6 cores, 12 threads) ^{1,2,4} AMD Ryzen[™] 7 7840HS (with Radeon NAVI 3 Graphics 3.8 GHz base clock, up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) ^{1,2,4}

AMD Ryzen[™] 7 PRO 7840HS (3.8 GHz base clock, up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) ^{1,2,4} AMD Ryzen[™] 9 7940HS (with Radeon NAVI 3 Graphics 4.0 GHz base clock, up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) ^{1,2,4}

AMD Ryzen[™] 9 PRO 7940HS (with Radeon NAVI 3 Graphics 4.0 GHz base clock, up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) ^{1,2,4}

- ¹ 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, branding and/or naming is not a measurement of higher performance.
- ² Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- ⁴ 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.



Features

CHIPSET

Chipset is integrated with processor

GRAPHICS

Integrated

AMD Radeon™ Graphics^{3, 4, 5,}

Discrete

NVIDIA RTX A1000 (6 GB) ^{2,3,4,5} NVIDIA RTX 2000 Ada (8GB) ^{2,3,4,5} NVIDIA GeForce RTX 4050 ^{1,2,3,4,5}

Supports

Support HD decode, DX12, HDMI 2.1, HDCP 2.3

- ¹ Only available for China.
- ² Both UMA & Discrete configurations support 4 independent displays when on the HP Thunderbolt Dock G2 (120W) (sold separately) Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA) OR 4K @60Hz (one DP Port) & 4K @60Hz (Type-C output port using a Type C-to-DP adapter).
- ³ Support HD decode, DX12, HDMI 2.0b, HDCP 2.3 via DP up to 4K @ 60Hz and via HDMI up to 4096x2304 @ 60Hz
- ⁴ HDMI cable Sold Separately
- ⁵ Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

DISPLAY

Non-touch

- 39.6 cm (15.6") diagonal, FHD (1920 x 1080), narrow bezel, anti-glare, 250 nits, 45% NTSC
- 39.6 cm (15.6") diagonal, FHD (1920 x 1080), narrow bezel, anti-glare, Low Blue Light, 400nits, Low-Power, 100% sRGB
- 39.6 cm (15.6") diagonal, QHD (2560 x 1440), narrow bezel, anti-glare, Low Blue Light, 300 nits, 100% sRGB

Touch

39.6 cm (15.6") diagonal, FHD (1920 x 1080), narrow bezel, anti-glare, Touch on Panel (TOP), 250nits, 45% NTSC

Displays support

Supports up to 4 displays through the HP Thunderbolt 280W G4 Dock

- ¹HD content required to view HD images.
- ²Sold separately or as an optional feature.
- 3Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- ⁴Actual brightness will be lower with touchscreen.



Features

DOCKING

Docking station model #1

Total number of supported displays (incl.the notebook)

display)

Max.resolutions supported

Dock Connectors
Technical limitations

HP Thunderbolt™ 280W G4 Dock

4

Quad 4K @60Hz Dual 8K single cable@30 for Thunderbolt™ hosts or USB-C® hosts

DisplayPort™ 1.4 with DSC in high res mode

2xDisplayPort™, 1xVGA, 1xThunderbolt™, 1xUSB-C® alt-mode

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 DisplayPort™ ports) +(1) 4K on USB-C® DisplayPort™ 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.



Features

STORAGE AND DRIVES*

Max Storage

8TB through two m.2 NVMe drivers

(Up to 2) m.2 storage (NVMe PCIe Gen4 SSDs)

Primary M.2 Storage

2 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 1 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 4 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 512 GB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 512 GB PCIe® Gen4x4 NVMe™ SED TLC OPAL2 512 GB PCIe® NVMe™ Value M.2 SSD

Secondary M.2 Storage

2 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 1 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 4 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 512 GB PCIe® Gen4x4 NVMe™ M.2 SSD TLC 512 GB PCIe® Gen4x4 NVMe™ SED TLC OPAL2

* For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of disk is reserved for system recovery software.

DRIVE CONTROLLERS

M.2 Storage Bay (PCIe NVMe) RAID:

PCIe® Gen4 x4 lanes NVMe™ Solid State Drive RAID 0/1 is supported (and available from factory)

MEMORY

Maximum Memory

64GB DDR5-4800

Memory

64GB DDR5-5600 (2x32GB) 32GB DDR5-5600 (2x16GB)

32GB DDR5-5600 (2x10GB)

16GB DDR5-5600 (2x8GB)

16GB DDR5-5600 (1x16GB)

1000 DDC3-3000 (1X100D

8GB DDR5-5600 (1x8GB)

Memory Slots

2 SODIMM DDR5 SODIMMS, system runs at 5600 Supports Dual Channel Memory

¹ 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.



Features

NETWORKING/COMMUNICATIONS

Ethernet

RTK GBE Ethernet Controller (Non-DASH QFN32) RTL8111HSH-CG RTK GBE Ethernet Controller RTL8111FPH-CG LAN CHIP

WLAN1

Mediatek RZ616 Wi-Fi 6E Bluetooth® 5.3 AIM-T WLAN wireless card Realtek 8852CE Wi-Fi 6E Bluetooth® 5.3 WLAN wireless card

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.

Near Field Communication (NFC) module

No Near Field Communication (NFC) module NFC Mirage WNC XRAV-1

Miracast

Native Miracast Support

NOTE: Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

AUDIO/MULTIMEDIA

Audio

2 Integrated stereo speakers Discrete Amplifiers Integrated dual array microphone

Speaker Power

2W/4ohm Per speaker

Camera^{1, 2}

HD camera

5 MP+IR camera

Sensors

Hall effect Sensor HP Sure Platform Motion AI LSM6DSL Thermal Sensor HP Tamper Lock³



¹ HD content required to view HD images.

² Windows Hello face authentication utilizes a camera specially configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.

³ HP Tamper Lock must be enabled by the customer or your administrator.

Features

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard*

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

Pointing Devices

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

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 Keys

Fn+R - Break

Fn+S - Sys Rq

Fn+C - Scroll Lock

SOFTWARE AND SECURITY

Software

HP PC Hardware Diagnostics Windows

Touchpoint Customizer for Commercial

mvHP

HP Smart Support²⁴

HP Connection Optimizer¹⁰

HP Mac Address Manager

HP Hotkey Support

HP Support Assistant¹

HP Notifications

HP Privacy Settings

HP Power Manager³

Buy Microsoft Office (Microsoft Office sold separately and requires Internet access for activation.)

HP Performance Advisor5

Manageability Features

HP Connect for Microsoft Endpoint Manager²⁶

HP Image Assistant Gen5 (download)

HP Manageability Integration Kit (download)¹²



^{*}Backlit keyboard is an optional feature.

Features

HP Client Management Script Library (download)

HP Patch Assistant (download)²⁷

HP Driver Packs (download)

HP Cloud Recovery 28

HP Client Catalog (download)

Security Management

HP Wolf Security of Business 29 includes:

HP Sure Click 30

HP Sure Sense¹⁹

HP Sure Run Gen5³¹

HP Sure Recover Gen5¹⁴

HP Sure Start Gen7¹⁶

HP Sure Admin²³

HP Client Security Manager Gen7¹⁸

HP Device Access Manager

HP Power On Authentication

Master Boot Record security

Pre-boot authentication

Windows Defender

MS BitLocker Encryption

Nano Security Lock Slot

HP Tamper Lock4

BIOS

HP BIOSphere Gen66

HP Secure Erase¹⁷

Absolute Persistence Module⁷

HP DriveLock & Automatic DriveLock

BIOS Update via Network

HP Wake on WLAN

HP Fingerprint Sensor³²

Secured-Core PC Enable²⁰

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

For more information on HP Client Security Software Suite, refer to http://www.hp.com/go/clientsecurity.

¹ HP Support Assistant - Requires Windows and Internet Access.

³HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.

⁴HP Tamper Lock must be enabled by the customer or your administrator.

⁵ HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at: https://www.hp.com/us-en/workstations/performanceadvisor.html

⁶ HP BIOSphere Gen6 is available on select HP Pro, Elite and ZBook PCs. See product specifications for details. Features may vary depending on the platform and configurations.

⁷ Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit:

http://www.absolute.com/company/legal/agreements/computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

¹⁰ HP Connection Optimizer requires Windows 10 and beyond version.

¹² HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.

¹⁴ 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

¹⁵ HP Sure Recover with Embedded Reimaging Gen3 is an optional feature which must be configured at purchase with a base unit that has the On System Recovery (OSR) module. See product specifications for availability. You must back up important files, data, photos, videos,



Features

- etc. before use to avoid loss of data. HP Sure Recover with Embedded Reimaging (Gen1) does not support platforms with Intel® Optane™.

 16 HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher
- ¹⁷ 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™.
- ¹⁸ HP Client Security Manager Gen7 requires Windows and is available on select HP Pro, Elite and ZBook PCs. See product specifications for details.
- 19 HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
 20 Secured-core PC requires an Intel® vPro® or AMD Ryzen™ Pro processor. Requires 8 GB or more system memory. Secured-core PC
- functionality can be enabled from the factory.

 23 HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP
- ²³ HP Sure Admin requires Windows 10, 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.
- ²⁴ HP Smart Support requires HP TechPulse to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support.
- ²⁶ HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

 ²⁷ HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center

Configuration Manager. HP Manageability Integration Kit can be downloaded from

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

- ²⁸ 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.
- ²⁹ 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.
- ³⁰ HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
- ³¹ HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.
- 32 HP Fingerprint Reader is an optional feature that requires Windows 10 IoT and must be configured at purchase.



Features

POWER

Power Supply

HP Smart 120 W External AC power adapter³ HP Smart 150 W External AC power adapter⁴

Battery

HP Long Life 6-cell, 83 Wh Li-ion Polymer

Power Cord

3-wire plug - 1m

Battery life

Up to 19 hours 30 minutes (UMA SKU) 14 hours 30min (discrete GFX SKU)

- ¹ MobileMark18 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.
- ² Battery is internal and not replaceable by customer. Serviceable by warranty.
- ³Only available with UMA graphics
- ⁴ Only available with discrete graphic options
- ⁵Actual 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.

ENVIRONMENTAL

ENERGY STAR® certified

EPEAT® registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country.

EPEAT® Gold1

TCO 8.0 Certified

RCTA DO-160G

Medical EMC: IEC 60601-1-2:2014 EN60601-1-2: 2015

SEPA GS Mark

Evesafe Certification - Worldwide

Sustainable Impact Specifications

Recycled Aluminum and Magnesium, 75% PCR w/30% ITE plastics

¹ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.



Features

WEIGHTS & DIMENSIONS

Dimensions (w x d x h) 35.94 x 23.39 x 2.29 cm 14.15 x 9.21 x 0.9 in

Weights*

Starting at 1.96 kg (4.32 lb)

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

PORTS/SLOTS

- 1 Thunderbolt™ 4 with USB4 Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
- 3 Super Speed USB Type-A 5Gbps signaling rate (1 charging)
- 1 HDMI 2.1
- 1 Headphone/microphone combo jack
- 1 Nano Security Lock Slot (Lock sold separately)
- 1 Smartcard reader (Optional)
- *SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.
- *HDMI cable sold separately.

COMPATIBILITY

HP Wired USB-A Stereo Headset	428K6AA
HP Renew Business 17.3 Laptop Backpack	3E2U5AA
HP Universal USB-C Multiport Hub	50H55AA
HP Multi-Device 635 Black Wireless Mouse	1D0K2AA
HP 975 USB+Bluetooth® Dual-Mode Wireless Keyboard	3Z726AA

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.

¹HP 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 http://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 Nominal Operating 19.5V Requirements (AC Power) Voltage



Features

Temperature

Relative Humidity

max panel brightness	
Integrated graphics	Yes
Discrete Graphics	Yes
Max Operating Power	<150W
Operating	32° to 95° F (0° to 35° C)
Non-operating	-4° to 140° F (-20° to 60° C)
Operating	10% to 90%, non-condensing
Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature

ShockOperating40G, 2msNon-operating240G, 2msRandom VibrationOperating1.043 grms

 Maximum Altitude (unpressurized)
 Operating Non-operating
 -50 to 10,000 ft (-15.24 to 3,048 m)

 Temperature Derating with
 Operating
 1.8°F / 1000 ft (1°C / 304.8 m)

System in idle mode + 8.09W

Temperature Derating with Altitude

Planned Industry Standard Certifications

Regulatory Model HSN-Q37C

Number

Non-operating

CSA/UL 62368-1 Yes
CSA Yes
FCC/ICES/CISPR/VCCI Yes

ENERGY STAR® Select models¹

EPEAT Gold EPEAT Gold in United States²

3.5 grms

TC0 Yes China CCC/SRRC Yes Korea KCC/KC/KES Yes Taiwan BSMI/NCC Yes **CE MARKING** Yes **EAEU** compliance Yes CITC Yes **WW RoHS** Yes **EAEU** compliance Yes **Saudi Arabian** Yes Compliance **Ukraine NSoC/TEC** Yes **Low Bluw Light** Yes

¹Configurations of the HP ZBook Power G10 A Mobile Workstation PC that are ENERGY STAR® qualified are identified as HP ZBook Power G10 A Mobile Workstation PC ENERGY STAR on HP websites and on http://www.energystar.gov.

² Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

Technical Specifications – Displays

DISPLAYS

Panel LCD 15.6 inch FHD
(1920x1080) Anti-Glare
WLED UWVA 45percent
cg 250nits eDP 1.2 w/o
PSR bent Touch on Panel
NWBZ
Outline Dimer
Active Area
Weight
Diagonal Size

 Outline Dimensions (W x H)
 350.96 x 205.74 mm (max)

 Active Area
 344.16 x 193.59 mm (typ.)

Weight 380 g (max)
Diagonal Size 15.6 inch

Thickness 3.2 mm / 5.2 mm (max)

Interface eDP 1.2

Surface Treatment Anti-Glare On-cell

Touch enabled Yes

Contrast Ratio600:1 (typ)Refresh Rate60 HzBrightness250 nits (typ)

Pixel Resolution Pitch 1920 x 1080 (FHD)

Format RGB Stripe

Backlight LED Color Gamut Coverage NTSC 45%

Color Depth 6

Viewing Angle UWVA 85/85/85

Low Blue Light No.

Power Consumption (W, 2.54 (Max) / 3.12 (Max)

EBL@ 150nits max/ 200nits

max)

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

15.6 in FHD (1920 x
1080) Anti-Glare UWVA
Low Blue Light sRGB
NB2X 400 eDP 1.4+PSR2
Low-Power 100 bent LCD
Panel
Outline Dimer
Active Area
Weight
Diagonal Size

 Outline Dimensions (W x H)
 349.460 x 204.790 (max)

 Active Area
 344.160 x 193.590 mm (typ)

Weight 310 g (max)
Diagonal Size 15.6 (inch)

Thickness 2.6 mm / 4.8 mm (max)

Interface eDP1.4
Surface Treatment Anti-Glare

Touch enabled No

Contrast Ratio1200:1 (typ)Refresh Rate60 HzBrightness400 nits (typ)

Pixel Resolution Pitch 1920 x 1080 (FHD)

Format RGB Stripe

Backlight WLED
Color Gamut Coverage SRGB 100%

Color Depth 8

Viewing Angle UWVA 89/89/89

Low Blue Light Yes

Power Consumption (W, 1.27 (max) / 1.5 (max)



Technical Specifications – Displays

EBL@ 150nits max/ 200nits max)

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

15.6 inch FHD (1920x1080) Anti-Glare WLED UWVA 45percent cg 250nits eDP 1.2 w/o PSR bent NWBZ

 Outline Dimensions (W x H)
 350.960 x 205.540 (max)

 Active Area
 344.160 x 193.590 mm (typ)

Weight 370 g (max)

Diagonal Size 15.6

Thickness 3.0 mm / 5.0 mm (max)

InterfaceeDP 1.2Surface TreatmentAnti-Glare

Touch enabled No

Contrast Ratio 600:1 (typ)
Refresh Rate 60 Hz

Brightness 250 nits (typ)

Pixel Resolution Pitch 1920 x 1080 (FHD)

Format RGB Stripe

Backlight LED

Color Gamut Coverage NTSC 45%

Color Depth 6 (Hi FRC w/ condition to enable)

Viewing Angle UWVA 85/85/85

Low Blue Light No

Power Consumption (W, 2.62 (Max) / 3.27 (Max)

EBL@ 150nits max/ 200nits

max)

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

15.6 in QHD (2560 x 1440) Anti-Glare UWVA Low Blue Light sRGB NWBZ 300 eDP 1.4+PSR2 100 120Hz bent LCD Panel

 Outline Dimensions (W x H)
 350.960 x 205.550 (max)

 Active Area
 344.2176 x 193.6224 mm

Weight 300 g (max)

Diagonal Size 15.6

Thickness 2.6mm /4.6 mm (Max)

Interface eDP 1.4
Surface Treatment Anti-Glare

Touch Enabled No

Contrast Ratio 1000:1(typ)
Refresh Rate 120 Hz
Brightness 300 nits (typ)

Pixel Resolution Pitch 2560x1440 (QHD)

Format RGB Stripe

Technical Specifications – Displays

Backlight WLED

Color Gamut Coverage sRGB 100%

Color Depth 8

Viewing Angle UWVA 89/89/89

Low Blue Light Yes

Power Consumption (W, 3.41 (max) / 4.06 (max)

EBL@ 150nits max/ 200nits

max)

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



Technical Specifications – Storage

STORAGE AND DRIVES

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

Performance Minimum Sequential Read Minimum Sequential Write

6400 MB/s ±10% 3500 MB/s ±10%

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

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows 10) is reserved for

system recovery software.

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

Performance Minimum Sequential Read Minimum Sequential Write

6400 MB/s ±10% 5000 MB/s ±10%

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

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows 10) is reserved for

system recovery software.

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

Performance Minimum Sequential Read Minimum Sequential Write

6400 MB/s ±10% 5000 MB/s ±10%

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

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows 10) is reserved for



Technical Specifications – Storage

512GB PCIe-4x4 2280 NVME Self Encrypted OPAL2 Three Layer Cell Solid State Drive
 Form Factor
 M.2 2280

 Capacity
 512GB

 NAND Type
 Opal2 TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen4X4

Performance Minimum Sequential Read Minimum Sequential Write

system recovery software.

6400 MB/s ±10% 3500 MB/s ±10%

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

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows 10) is reserved for

system recovery software.

4TB PCIe-4x4 2280 NVMe Form Factor
Three Layer Cell doublesided M.2 Solid State
Drive
NAND Type

Form Factor M.2 2280
Capacity 4TB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

Weight 15g

Interface PCIe NVMe Gen4X4

Performance Minimum Sequential Read Minimum Sequential Write

6400 MB/s ±10% 5000 MB/s ±10%

Logical Blocks 8,001,594,720

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

Features Pyrite 2.0; TRIM; L1.2

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows 10) is reserved for

system recovery software.

SSD 512GB 2280 PCIe NVMe Value 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

Performance Minimum Sequential Read Minimum Sequential Write

2200 MB/s ±10% 1000 MB/s ±10%

Logical Blocks 1000215216

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

Features Pyrite 2.0; TRIM; L1.2

NOTE: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows 10) is reserved for



Technical Specifications – Storage

system recovery software.



Technical Specifications – Networking

NETWORKING/COMMUNICATION

Realtek RTL8852CE
802.11ax 2x2 Wi-Fi 6E +
Bluetooth® 5.3
(802.11ax 2x2,
supporting gigabit data
rate) wireless card [1]

Wireless LAN Standards

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

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

IEEE 802.11k

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: MCS 0 ~ MCS 15, (20MHz, and 40MHz)

802.11ac: MCS0 ~ MCS9, (20MHz, 40MHz, ,80MHz & 160MHz)
 802.11ax: MCS0 ~ MCS11, (20MHz, 40MHz, ,80MHz & 160MHz)

Modulation Direct Sequence Spread Spectrum

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

O

Security¹

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

• AES-CCMP: 128 bit in hardware

802.1x authentication

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

WPA2 certification

• WPA3 (personal) certification

• IEEE 802.11i

WAPI

• EAP

Network Architecture Ad-hoc (Peer to Peer)

Models Infrastructure (Access Point Required)

Roaming IEEE 802.11 compliant roaming between access points

Output Power² • 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
 802.11n HT20(5GHz): +14dBm minimum

• 802.11n HT40(5GHz): +13dBm minimum

• 802.11ac VHT80(5GHz) : +10dBm minimum

• 802.11ac VHT160(5GHz): +10dBm minimum

Technical Specifications - Networking

• 802.11ax HE40(2.4GHz): +12dBm minimum 802.11ax HE80(5GHz): +10dBm minimum • 802.11ax HE160(5GHz): +10dBm minimum • 802.11ax HE80(6GHz): +10dBm minimum • 802.11ax HE160(6GHz): +10dBm minimum

Power Consumption Transmit mode: 2.5 W

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 Sensitivity³ 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

High efficiency antenna with spatial diversity, mounted in the **Antenna Type**

display enclosure

Two embedded dual band 2.4/5/6 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

2. Type 1216: 1.67 x 12.0 x 16.0 mm

1. Type 2230: 2.8g Weight

2. Type 126: 1.3g

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

Temperature Operating 14° to 158° F (-10° to 70° C) -40° to 176° F (-40° to 80° C) Non-operating

Operating 10% to 60% (non-condensing)

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

> Operating Non-0 to 10,000 ft (3,048 m)

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

LED Activity N/A

HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3 Wireless Technology

Frequency Band 2402 to 2480 MHz

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

BLE: 0~39 (2 MHz/CH)

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

BLE: 1 Mbps data rate; throughput up to 0.2 Mbps

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



Technical Specifications – Networking

voice channels

Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)

The Bluetooth component shall operate as a Class II Bluetooth **Transmit Power**

device with a maximum transmit power of + 4 dBm for BR and EDR.

Peak (Tx): 330 mW **Power Consumption**

Peak (Rx): 230 mW

Selective Suspend: 17 mW

Bluetooth Software Supported

Link Topology

Microsoft Windows Bluetooth Software

Microsoft Windows ACPI, and USB Bus Support **Power Management** Certifications FCC (47 CFR) Part 15C, Section 15.247 & 15.407

Power Management ETS 300 328

Low Voltage Directive Certifications

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

Windows BT profiles support

BT5.3

Periodic Advertisement interval

Encryption key size control enhancements

*Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, and Windows 11 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.

[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).



Technical Specifications – Networking

Mediatek RZ616 Wi-Fi 6E Wireless LAN Standards IEEE 802.11a + Bluetooth® 5.3 IEEE 802.11b (802.11ax 2x2. IEEE 802.11a supporting gigabit data IEEE 802.11n rate) wireless card [1] IEEE 802.11ac IEEE 802.11ax IEEE 802.11d IEEE 802.11e IEEE 802.11h IEEE 802.11i IEEE 802.11j IEEE 802.11k IEEE 802.11mc IEEE 802.11r 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 • 802.11q: 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, (20MHz, 40MHz, ,80MHz & 160MHz) 802.11ax: MCS0 ~ MCS11, (20MHz, 40MHz, ,80MHz & 160MHz) **Modulation Direct Sequence Spread Spectrum** OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM Security¹ • IEEE and WiFi certified 64 / 128 bit WEP encryption for a/b/g mode AES-CCMP: 128 bit in hardware • 802.1x authentication • WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. WPA2 certification • WPA3 (personal) certification • IEEE 802.11i • WAPI **Network Architecture** Ad-hoc (Peer to Peer) Models Infrastructure (Access Point Required) IEEE 802.11 compliant roaming between access points Roaming **Output Power²** 2.4GHz (MIMO, typical): • 802.11b: +18dBm • 802.11q: +16.5dBm • 802.11n/ac/ax (HT20/VHT20/HE20): +16dBm 802.11n/ac/ax (HT40/VHT40/HE40): +12.5dBm

5GHz (MIMO, typical):

Technical Specifications - Networking

• 802.11a: +13dBm

802.11n/ac/ax (HT20/VHT20/HE20): +13.5dBm
 802.11n/ac/ax (HT40/VHT40/HE40): +12.5dBm

• 802.11ac/ax (VHT80/HE80): +11.5dBm

802.11ax HE160: +11.5dBm

6GHz LPI mode (MIMO, typical)::

• 802.11a: 0dBm

802.11ax HE20: +1dBm
802.11ax HE40: +4dBm
802.11ax HE80: +7dBm
802.11ax HE160: +7.5dBm

Power Consumption • Transmit mode :2.5 W

• 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 Sensitivity³ 2.4GHz (SISO):

802.11b, 11Mbps: -82dBm maximum
802.11g, 54Mbps: -71dBm maximum
802.11n, MCS7: -64dBm maximum
802.11ac, MCS9: -52dBm maximum
802.11ax, MCS11(HT40): -49dBm maximum

5GHz (SISO):

802.11a, 54Mbps: -71dBm maximum
802.11n, MCS07: -64dBm maximum
802.11ac, MCS9: -52dBm maximum

•802.11ax, MCS11(HE80/HE160): -46dBm maximum

6GHz (SISO):

802.11a, 54Mbps: -71dBm maximum
802.11n, MCS7: -64dBm maximum
802.11ac, MCS9: -52dBm maximum

•802.11ax, MCS11(HE160): -46dBm maximum

Antenna Type High efficiency antenna with spatial diversity, mounted in the

display enclosure

Two embedded dual band 2.4/5/6 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

2. Type 1216: 1.67 x 12.0 x 16.0 mm

Weight 1. Type 2230 : 2.8g

2. Type 126: 1.3q

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 60% (non-condensing)

Non-operating 5% to 95% (non-condensing)

Altitude Operating Non- 0 to 10,000 ft (3,048 m)

operating 0 to 50,000 ft (15,240 m)

Technical Specifications - Networking

LED Activity N/A

HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3 Wireless Technology

Frequency Band 2402 to 2480 MHz

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

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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 1.5 Bluetooth

device with a maximum transmit power of + 14 dBm and 10 dBm

for BR and EDR, respectively.

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 & 15.407

Power Management

Certifications

ETS 300 328

Low Voltage Directive

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

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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

Windows BT profiles support



Technical Specifications – Networking

BT5.3

Periodic Advertisement interval

Encryption key size control enhancements

*Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, and Windows 11 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.

[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).

NFC Mirage module (NXP NPC300 I2C 10mmx17mm)

Dimensions (L x W x

Module 25 mm by 10 mm by 2.0 mm

H)

Chipset **NPC300** 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- ISO/IEC 14443 A VICC) Mode

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 0°C to 70°C

temperature

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**,

Technical Specifications – Networking

VCC_BOOST = 5V) Pollin

Mode Power Consumption, Typical **Polling** 7.3 mA

Detected Test Total 283.8 mA
Tag Type 1 Net Module 236.8 mA
Detected Test Total 288.8 mA

Tag Type 2 Net Module 241.8 mA

Detected Test Total 287.7 mA

Net Module 240.7 mA

Net Module 240.7 mA

Tag Type 3 Total 282.3 mA

Net Module 235.3 mA

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

external to module.

Realtek RTL8111FPH 10/100/1000 Integrated NIC

Connector RJ-45

System Interface PCIe + SMBus

10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023 clauses 40)

Auto-Negotiation (Automatic Speed Selection)

Data rates supported Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s

IEEE 802.1p QoS (Quality of Service) Support

IEEE 802.1q VLAN support

IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)

IEEE Compliance IEEE 802.3az EEE (Energy Efficient Ethernet)

TCP/IP/UDP Checksum Offload (configurable)

Protocol Offload (ARP & NS)

Large send offload and Giant send offload

Receiving Side Scaling

Performance Jumbo Frame 9K

Cable Disconnetion: 25mW 100Mbps Full Run: 450mW 1000bp Full Run: 1000mW WoL Enable(S3/S4/S5): 50mW

Power consumption WoL Disable(S3/S4/S5): 25mW

ACPI compliant – multiple power modes

Power Situation-sensitive features reduce power consumption

Management Advanced link down power saving for reducing link down power consumption

Management Interface Auto MDI/MDIX Crossover cable detection

Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-

LAN from off (Magic Packet only)

PXE 2.1 Remote Boot

Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))

Comprehensive diagnostic and configuration software suite

IT Manageability Virtual Cable Doctor for Ethernet cable status

Security & Manageability Support DASH 1.2 compliant

Realtek RTL8111HSH 10/100/1000 Integrated NIC

Connector RJ-45

System Interface PCIe + SMBus

Data rates supported 10 Mbit/s operation (10BASE-T; IEEE 802.3; IEEE 802.3 clauses 13-14)



Technical Specifications – Networking

100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023 clauses 40)

Auto-Negotiation (Automatic Speed Selection)

Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s

IEEE 802.1p QoS (Quality of Service) Support

IEEE 802.1g VLAN support

IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)

IEEE Compliance IEEE 802.3az EEE (Energy Efficient Ethernet)

TCP/IP/UDP Checksum Offload (configurable)

Protocol Offload (ARP & NS)

Large send offload and Giant send offload

Receiving Side Scaling

Performance Jumbo Frame 9K

Cable Disconnetion: 25mW 100Mbps Full Run: 450mW 1000bp Full Run: 1000mW WoL Enable(S3/S4/S5): 50mW

Power consumption WoL Disable(S3/S4/S5): 25mW

ACPI compliant – multiple power modes

Power Situation-sensitive features reduce power consumption

Management Advanced link down power saving for reducing link down power consumption

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Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-

LAN from off (Magic Packet only)

PXE 2.1 Remote Boot

Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))

Comprehensive diagnostic and configuration software suite

IT Manageability Virtual Cable Doctor for Ethernet cable status

AUDIO

HD Stereo Codec Realtek ALC3247

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

Internal Speaker

Amplifier Realtek Class-D

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

Following MSFT Behaviour

Sampling DAC: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 vendorELAN 80SWSensor typeCapacitiveDPI resolution508 DPI



Technical Specifications - Networking

Scan area 80x80 pixels

False Rejection Rate <3%
False Acceptance Rate < 0.001%
Mobile Voltage Operation 2.7~3.6V
Operating Temperature -20°C - +80°C
Current Consumption 35mA peak

Image

Low Latency Wait For

Finger

300uA

Capture RateCapture Rate: 50 frame/secESD ResistanceIEC 61000-4-2 4B (+15KV)Detection Matrix508 dpi / 4x4mm sensor area

POWER

AC Adapter 150 Watt Smart PFC Slim Barrel 4.5mm Right Angle **Dimensions** 5.43 x 2.59 x 0.39 in (13.8x6.6x2.2cm)

Weight 0.716 lb (325 q) max (Not including power cord. Power cord varies by

country.)

Input Input Efficiency 88% at 115 Vac and 89% at 230Vac

Input frequency range 47 ~ 63 Hz

Input AC current Max. 2.7 A at 90 Vac

Output Output power 150W

DC output 19.5V

Hold-up time 100% load 5ms at 115 Vac input

Output current limit <16.0A

Connector C6

DC Plug 4.5mm Barrel Type

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

temperature

Non-operating (storage) -4° 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 IEC62368-1: 2018,

EN62368-1:2014+A11, UL62368-1

*Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC), NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark,

Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC

AC Adapter 120 Watt Smart PFC Slim Barrel **Dimensions** 5.433 x 2.697 x 1.0 in (13.8x6.85x2.54cm)

Weight 0.88 lb (400 g) max (Not including power cord. Power cord varies by



Technical Specifications – Networking

4.5mm Right Angle country.)

> **Input Efficiency** Input 88% at 115 Vac and 89% at 230Vac

> > Input frequency range 47 ~ 63 Hz

Input AC current Max. 1.7 A at 90 Vac

Output **Output power** 120W

> **DC** output 19.5V

Hold-up time 100% load 5ms at 115 Vac input/80% load

10ms at 115 Vac input

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

Output current limit <18.0A

Connector C6

> DC Plug 4.5mm Barrel Type

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

temperature

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

Altitude

temperature

Humidity 20% to 95

Storage Humidity 10% to 95%

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

*Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL62368-1

*Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC), NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark,

Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC



Technical Specifications – Power

Battery 6 Cell WHr 83 Dimens Long Life -PL Fast Charge Weight

Dimensions (H x W x L) 7.78 x 316.1 x70.2mm (0.306 x 12.44 x 2.763 inch)

Weight 0.31kg (0.683lb)

Cells/Type6cell Lithium-Ion Polymer cell / 685257EnergyVoltage11.58V

Amp-hour capacity 7.170Ah Watt-hour capacity 83Wh

Temperature Operating (Charging) 32° to 113° F (0° to 45° C)

Operating (Discharging) 14° to 122° F (-10° to 60° C)

Fuel Gauge LED NA

Warranty Refer to http://www.hp.com/support/batterywarranty/ for battery

warranty information.

Optional Travel Battery N/A

Available

*Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform.

Technical Specifications – Environmental

ENVIRONMENTAL DATA

Eco-Label Certifications & declarations

This product has received or is in the process of being certified to the following approvals and may 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 registration status in your country.
- TCO Certified
- China Energy Conservation Program (CECP)
- China State Environmental Protection Administration (SEPA)
- Taiwan Green Mark
- Korea Eco-label
- Japan PC Green label*

Sustainable Impact Specifications

- Product Carbon Footprint (hp.com)
- Ocean-bound plastic in Speaker
- 14.3% post-consumer recycled plastic
- 50% recycled metal
- Low halogen
- Outside Box and corrugated cushions are 100% sustainably sourced and recyclable
- Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable
- Bulk packaging available

System Configuration

The configuration used for the Energy Consumption and 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)

ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	7.38 W	7.29 W	7.17 W
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	3.62 W	3.74 W	3.55 W
Off	0.36 W	0.40 W	0.36 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)	25 BTU/hr	25 BTU/hr	25 BTU/hr
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	12 BTU/hr	13 BTU/hr	12 BTU/hr



HP ZBook Power G10 A Mobile Workstation PC

Technical Specifications - Environmental

Off 1 BTU/hr 1 BTU/hr 1 BTU/hr 1 BTU/hr

***NOTE:** Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Declared Noise Emissions (in accordance with	Sound Power (L _{wad} , bels)	Sound Pressure (L _{pAm} , decibels)
ISO 7779 and ISO 9296)		
Typically Configured – Idle	2.6	13.
Fixed Disk – Random writes	2.7	13.6
Optical Drive – Sequential	3.5	25.6

Longevity and Upgrading

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the

Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- 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 94.3% recycle-able when properly disposed of at end of life.

Packaging Materials	External:	PAPER/Corrugated	295g
		PAPER/Molded pulp	170g
	Internal:	PLASTIC/Polyethylene low density-LDPE	10g

The plastic packaging material contains at least 0.0% recycled content.

The corrugated paper packaging materials contains at least 58.8% recycled content.

RoHS Compliance

HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the 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 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.



Technical Specifications – Environmental

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 Brominated Flame Retardants may not be used as flame retardants in plastics
- 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
- 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.



Technical Specifications – Environmental

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

¹Percentage of ocean-bound plastic contained in each component varies by product

²Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

³External power supplies, WWAN modules, power cords, cables and peripherals excluded.

⁴100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

⁵Fiber cushions made from 100% recycled wood fiber and organic materials.

⁶Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams



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

Туре	Description	Part #
Cases	HP Prelude Pro Recycle Backpack	1X644AA
	HP Prelude Pro Recycle Top Load	1X645AA
	HP Prelude 15.6 Top Load	1E7D7AA
	HP Prelude 15.6 Top Load	2Z8P4AA
	HP Prelude 15.6 Top Load	50P31AA
	HP Prelude 15.6 Backpack	1E7D6AA
	HP Prelude 15.6 Backpack	2Z8P3AA
	HP Prelude 15.6 Backpack	50P32AA
	HP Renew Business 17.3 Laptop Backpack	3E2U5AA
	HP Renew Business 17.3 Laptop Bag	3E2U6AA
	HP Renew Business 15.6 Laptop Bag	3E5F8AA
	HP Renew Executive 16 Laptop Backpack	6B8Y1AA
	HP Renew Executive 16 Laptop Bag	6B8Y2AA
	HP Travel 25 Liter 15.6 Iron Gray Laptop Backpack	6B8U4AA
	HP Travel 25 Liter 15.6 Iron Gray Laptop Backpack	6H2D8AA
	HP Travel 18 Liter 15.6 Iron Gray Laptop Backpack	6B8U6AA
	HP Travel 18 Liter 15.6 Iron Gray Laptop Backpack	6H2D9AA
Docking Station	HP USB-C Dock G5	26D32AA
_	HP USB-C Dock G5	5TW10AA
	HP USB-C/A Universal Dock G2	5TW13AA
	HP USB-C/A Universal Dock G2 TAA	7UP88AA
	HP Thunderbolt 120W G4 Dock	4J0A2AA
	HP Thunderbolt 280W G4 Dock w/Combo Cable	4J0G4AA
Adapter/Dongle	HP HDMI to VGA Adapter	H4F02AA
	HP USB-C to USB 3.0 Adapter	N2Z63AA
	HP USB-C to DisplayPort Adapter	N9K78AA
	HP USB-C to VGA Adapter	N9K76AA
	HP USB-C to VGA Adapter	P7Z54AA
	HP USB-C to HDMI 2.0 Adapter	1WC36AA
	HP USB-C to HDMI 2.0 Adapter	2PC54AA
	HP 7.4 mm to 4.5 DC dongle	КОДЗ9АА
	HP USB-C to RJ45 Adapter G2	4Z527AA
	HP USB-C to RJ45 Adapter G2	4Z534AA
	HP USB 3.0 to Gig RJ45 Adapter G2	4Z7Z7AA
	HP USB-C to USB-C 100W Cable	5AR72AA
	iii oss eto oss e room custe	37.11.7.27.11.1
Audio/Video	HP USB G2 Stereo Headset	428H5AA
	HP USB G2 Stereo Headset	428K6AA
	HP 3.5mm G2 Stereo Headset	428H6AA
	HP 3.5mm G2 Stereo Headset	428K7AA
	HP 365 BT Speaker	567D3AA



53X27AA

QuickSpecs

Options and Accessories	(sold separate)	v and availability	, may yarı	v by	v country	ı)
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HP 325 FHD USB-A Webcam

	III 3231 II B 335 / Webeam	SSALTTIN
	HP 965 4K Streaming Webcam	695J5AA
	HP 620 FHD Webcam	6Y7L2AA
Hub	HP USB-C to USB-A Hub	Z6A00AA
Storage	HP 512GB PCIe-4x4 NVMe M.2 Solid State Drive	5R8X9AA
	HP 1TB PCIe-4x4 NVMe M.2 Solid State Drive	5R8Y0AA
	HP 2TB PCIe-4x4 NVMe TLC M.2 Solid State Drive	6D8L6AA
	HP USB External DVDRW Drive	F2B56AA,Y3T76AA
Keyboard/Combo	HP 320K Wired Keyboard	9SR37AA
	HP 125 Wired Keyboard	266C9AA
	HP 975 USB+BT Dual-Mode Wireless Keyboard	3Z726AA
	HP 455 Programmable Wireless Keyboard	4R177AA
	HP 355 Compact Multi-Device Keyboard	692S9AA
	HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA
	HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
	HP 235 Wireless Mouse and Keyboard Combo	1Y4D0AA
	HP 225 Wired Mouse and Keyboard Combo	286J4AA
	HP 225 Antimicrobial Wired Mouse and Keyboard Combo	286K3AA
	HP 655 Wireless Keyboard and Mouse Combo	4R009AA
	HP 155 Wired Mouse and Keyboard Combo	5B8C0AA
Display	HP Z24f G3 FHD Display	3G828AA
	HP Z27q G3 QHD Display	1C4Z7AA
	HP Z24n G3 WUXGA Display	1C4Z5AA
	HP Z34c G3 WQHD Curved Display	30A19AA
	HP Z24q G3 QHD Display	4Q8N4AA
	HP Z24m G3 QHD Conferencing Display	4Q8N9AA
	HP Z32k G3 4K USB-C Display	50U19AA
Mouse	HP Wired 320M Mouse	9VA80AA
	HP Travel USB Mouse	G1K28AA
	HP Premium Wireless Mouse	1JR31AA
	HP Travel Bluetooth Mouse	6SP30AA
	HP Multi-Device 635 Black Wireless Mouse	1D0K2AA
	HP Creator 935 Black Wireless Mouse	1D0K8AA
	HP 235 Slim Wireless Mouse	4E407AA
	HP 128 LSR Wired Mouse	265D9AA
	HP 125 Wired Mouse	265A9AA
	HP 435 Multi-Device Wireless Mouse	3B4Q5AA
	HP 155 Wired Mouse	5B8B7AA
	HP 715 Rechargeable Multi-Device Bluetooth Mouse	6E6F0AA



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

·	HP 925 Ergonomic Vertical Wireless Mouse	6H1A5AA
Power Adapter	HP 150W Slim Smart 4.5mm AC Adapter	4SC18AA
	HP ZBook 200W Slim Smart 4.5mm AC Adapter	491C7AA
	HP ZBook 230W Slim Smart 4.5mm AC Adapter	6E6M1AA
Security	HP Nano Keyed Cable Lock	1AJ39AA
	HP Nano Master Keyed Cable Lock	1AJ40AA
	HP Sure Key Cable Lock	6UW42AA
	HP Nano Combination Cable Lock	63B28AA
	HP Essential Nano Combination Cable Lock	63B31AA



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Date of change:	Version History:		Description of change:
July 5, 2023	From v1 to v2	Changed	ENVIRONMENTAL DATA section
July 20, 2023	From v2 to v3	Changed	PROCESSOR section
July 25, 2023	From v3 to v4	Changed	GRAPHICS section
August 1, 2023	From v4 to v5	Changed	ENVIRONMENTAL DATA section
August 24, 2023	From v5 to v6	Changed	SOFTWARE AND SECURITY section

