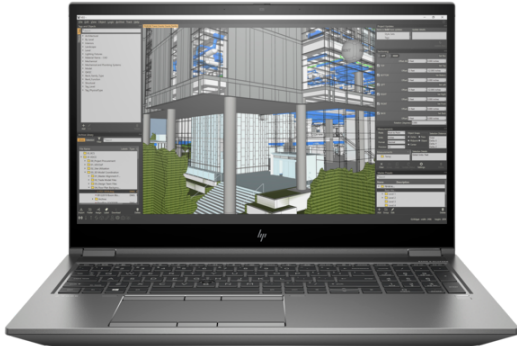




# HP ZBook Fury 15.6 G8 Mobile Workstation PC (314K7EA)



## Overview

### Desktop power goes mobile

The desktop-caliber performance of our ultimate ZBook now comes packed into an incredibly sleek, slim design. Create, render, edit, and simulate with ease. Visualize complex datasets on the move. Extreme power has never been so mobile.

### Unleash unthrottled power

Get unthrottled<sup>[1]</sup> performance from the latest Intel® CPUs and NVIDIA® or AMD GPUs. Ray trace in the background while working on your design, or share your power with teammates using included ZCentral Remote Boost software.<sup>[3]</sup>

### Expandability for evolving needs

Get desktop-level storage and memory with plenty of room to grow. Expansion and servicing are simple with tool-free access to removable components and an extensive port selection for critical accessories.<sup>[7]</sup>

### Built to perform from anywhere

At just 27mm thin<sup>[4]</sup> and 6lbs, our flagship ZBook delivers extreme performance from anywhere.<sup>[5]</sup> With HP Sure View Reflect<sup>[6]</sup> your screen is guarded from prying eyes, and DNN noise reduction and anti-howling software blocks unwanted background noise.

# Features

## Windows 10 Pro 64

Work without compromising on performance or security with Windows 10 Pro, powered by HP's collaboration and connectivity technology.

## Intel® Core™ i9 processor

Get high-end performance for intensive tasks like rendering and video editing with the Intel® Core™ i9 processor.<sup>[2]</sup>

## 15.6" (39.6 cm) Diagonal 4K UHD DreamColor Display

Create with industry-leading HP DreamColor technology. With 1 billion possible colors and remarkable precision, what you see is what you get—great depth, flawless accuracy and sharp detail. Customize your color space or easily switch between AdobeRGB, sRGB and DCI-P3.

## HP Z Turbo Drive High-speed Storage

Work without limits in any location with local PCIe storage that's up to 6x faster than SATA SSD, and up to 21x faster than traditional HDD storage.<sup>[8]</sup>

## Spill-resistant Keyboard

Accidents happen - which is why we designed our keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

## Industry-leading security features

Advanced security features come standard. System safeguards like HP Sure Start – the industry's first self-healing BIOS – mean your device is locked down tight, so your data and identity are too.

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[1] Unthrottled in Best Performance Mode and when plugged in.

[3] HP ZCentral Remote Boost does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. ZCentral Remote Boost requires Windows 10, RHEL/CentOS (7 or 8), UBUNTU 18.04 or 20.04 LTS, or HP ThinPro 7.1 operating systems. MacOS (10.13, 10.14, 10.15) operating system is only supported on the receiver side. Requires network access. The software is available for download at [hp.com/ZCentralRemoteBoost](http://hp.com/ZCentralRemoteBoost).

[4] Measured at the hinge

[5] Starting at weight and dimensions. Weight will vary by configuration.

[6] HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and operates in landscape orientation.

[7] 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.

[2] 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.

[8] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 10) of system disk is reserved for system recovery software.



## Specifications

|                                          |                                                                                                                                                                                            |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating system</b>                  | Windows 10 Pro 64                                                                                                                                                                          |
| <b>Processor family</b>                  | 11th Generation Intel® Core™ i9 processor                                                                                                                                                  |
| <b>Processor</b>                         | Intel® Core™ i9-11950H (2.6 GHz base frequency, up to 5.0 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 8 cores, 16 threads)                                                     |
| <b>Chipset</b>                           | Intel® WM590                                                                                                                                                                               |
| <b>Memory</b>                            | 32 GB DDR4-3200 MHz RAM (1 x 32 GB)                                                                                                                                                        |
| <b>Memory Slots</b>                      | 4 SODIMM; supports dual channel                                                                                                                                                            |
| <b>Internal Storage</b>                  | 1 TB PCIe® NVMe™ TLC SSD                                                                                                                                                                   |
| <b>Optical drive</b>                     | Not included                                                                                                                                                                               |
| <b>Graphics</b>                          | Integrated                                                                                                                                                                                 |
| <b>Graphics (integrated)</b>             | Intel® UHD Graphics                                                                                                                                                                        |
| <b>Display</b>                           | 39.6 cm (15.6") diagonal, 4K UHD (3840 x 2160), anti-glare, 600 nits, 100% DCI-P3, HP DreamColor                                                                                           |
| <b>Display</b>                           | 15.6" diagonal, 4K UHD (3840 x 2160), anti-glare, 600 nits, 100% DCI-P3, HP DreamColor <sup>[21,23,32]</sup>                                                                               |
| <b>Display size (diagonal)</b>           | 39.6 cm (15.6")                                                                                                                                                                            |
| <b>Audio</b>                             | Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio |
| <b>Minimum dimensions (W x D x H)</b>    | 36.1 x 24.25 x 2.60 cm                                                                                                                                                                     |
| <b>Weight</b>                            | Starting at 2.35 kg<br>(Weight varies by configuration and components.)                                                                                                                    |
| <b>Keyboard</b>                          | HP Premium Quiet Keyboard, spill-resistant, full-size, backlit, keyboard with a Programmable Key and numeric keypad                                                                        |
| <b>Pointing device</b>                   | Dual pointstick                                                                                                                                                                            |
| <b>Camera</b>                            | 720p HD IR camera with integrated dual array microphones                                                                                                                                   |
| <b>Ports</b>                             | 1 RJ-45; 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 nano security lock slot <sup>[19]</sup>    |
| <b>Expansion slots</b>                   | 1 smart card reader; 1 SD 7.0 media card reader <sup>[58]</sup>                                                                                                                            |
| <b>Ports</b>                             | 1 power connector; 1 Mini DisplayPort™ 1.4; 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)             |
| <b>Wireless</b>                          | Intel® Wi-Fi CERTIFIED 6™ AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)                                                                                                |
| <b>Power</b>                             | 200 W Slim Smart external AC power adapter <sup>[19,20,24]</sup>                                                                                                                           |
| <b>Battery type</b>                      | HP Long Life 8-cell, 94 Wh Li-ion polymer                                                                                                                                                  |
| <b>Sustainable impact specifications</b> | Low halogen                                                                                                                                                                                |

**Security management**

Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure View Reflect; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Suite Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core<sup>[22,27,30,31,34,38,40,46,47,49,50,51,55]</sup>

**Software included**

Bing search for IE11; Buy Office; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; Adobe® Creative Cloud; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP QuickDrop; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; HP ZCentral Remote Boost 2020 Software for Z workstation; Tile™ Application<sup>[26,28,29,33,35,36,39,52,54]</sup>

**Manufacturer Warranty**

3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

## Additional specifications

|                                                       |                                                                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional information on the product category</b> | For the latest information, please visit our Web site at <a href="http://www.hp.com/workstations">http://www.hp.com/workstations</a> |
| <b>Available software</b>                             | HP Smart Support                                                                                                                     |
| <b>Battery brand</b>                                  | HP                                                                                                                                   |
| <b>Battery capacity</b>                               | 94                                                                                                                                   |
| <b>Battery capacity uom</b>                           | Wh                                                                                                                                   |
| <b>Battery cells number</b>                           | 8                                                                                                                                    |
| <b>Battery life</b>                                   | Long Life                                                                                                                            |
| <b>Battery type</b>                                   | Li-ion polymer                                                                                                                       |
| <b>Bluetooth version</b>                              | Bluetooth® 5.0                                                                                                                       |
| <b>Camera Infrared</b>                                | IR                                                                                                                                   |
| <b>Camera microphone</b>                              | integrated dual array digital microphones                                                                                            |
| <b>Camera resolution (vertical)</b>                   | 720p                                                                                                                                 |
| <b>Camera resolution standard</b>                     | HD                                                                                                                                   |
| <b>Color gamut</b>                                    | 100% DCI-P3                                                                                                                          |
| <b>Datasheet photo 1</b>                              | AHID/b0276ca60689c56477c4b6daff527cd6a704c9b5                                                                                        |
| <b>Datasheet photo 2</b>                              | Publication logos/HP_Care_Pack_RGB_blue_NT.jpg                                                                                       |
| <b>Datasheet photo 3</b>                              | AHID/2d24dda7c9cbc40d4eadf889ae571fdd0393a175                                                                                        |
| <b>Datasheet photo 4</b>                              | AHID/50ff490841e08c71f291aa08155558d239cfa5ed                                                                                        |
| <b>Datasheet photo 5</b>                              | AHID/f926d3d2244ae2cb43eb064b4d09137130dac570                                                                                        |
| <b>Display</b>                                        | 39.6 cm (15.6") diagonal 4K UHD display                                                                                              |
| <b>Display</b>                                        | 15.6" diagonal 4K UHD display                                                                                                        |
| <b>Display brightness</b>                             | 600                                                                                                                                  |
| <b>Display brightness uom</b>                         | nits                                                                                                                                 |
| <b>Display panel technology</b>                       | UWVA                                                                                                                                 |
| <b>Display refresh rate</b>                           | 120                                                                                                                                  |
| <b>Display refresh rate uom</b>                       | Hz                                                                                                                                   |
| <b>Display resolution (pixels)</b>                    | 3840 x 2160                                                                                                                          |
| <b>Display resolution standard</b>                    | 4K UHD                                                                                                                               |
| <b>Display size (diagonal) uom</b>                    | "                                                                                                                                    |
| <b>Display size (diagonal, imperial)</b>              | 15.6                                                                                                                                 |
| <b>Display size (diagonal, metric)</b>                | 39.6                                                                                                                                 |
| <b>Display size (diagonal, metric) uom</b>            | cm                                                                                                                                   |

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| Display surface treatment          | anti-glare                                          |
| Display technology                 | HP DreamColor                                       |
| External I/O ports footnote number | [6,15,24,48,56]                                     |
| Fingerprint reader                 | Fingerprint reader                                  |
| Graphics                           | Discrete                                            |
| Graphics (discrete)                | NVIDIA RTX™ A4000 (8 GB GDDR6 dedicated)            |
| Graphics card brand                | NVIDIA®                                             |
| Graphics card memory size          | 8                                                   |
| Graphics card memory size uom      | GB                                                  |
| Graphics card memory type          | GDDR6                                               |
| I/O Port location                  | Right side                                          |
| I/O Port location                  | Left side                                           |
| Keyboard backlight                 | backlit                                             |
| Keyboard features                  | Spill-resistant                                     |
| Keyboard keypad                    | numeric keypad                                      |
| Keyboard name                      | HP Premium Quiet Keyboard                           |
| Keyboard pointing device           | Dual point                                          |
| Keyboard size                      | Full-size                                           |
| Legal tagline                      | HP recommends Windows 10 Pro for business           |
| MDA key selling point              | Windows 10 Pro or other operating systems available |
| Memory and storage                 | 32 GB memory; 1 TB SSD storage                      |
| Memory layout (slots & size)       | 1 x 32 GB                                           |
| Memory module type                 | DIMM                                                |
| Memory size                        | 32                                                  |
| Memory size uom                    | GB                                                  |
| Memory slots footnote              | [8,9,10]                                            |
| Memory speed                       | 3200                                                |
| Memory speed uom                   | MHz                                                 |
| Memory type                        | DDR4                                                |
| Number of memory slots             | 1                                                   |
| Processor Brand                    | Intel®                                              |
| Processor base frequency           | 2.6                                                 |
| Processor base frequency uom       | GHz                                                 |
| Processor cache                    | 24 MB L3                                            |
| Processor core                     | 8                                                   |

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor family                  | Core™ i9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Processor frequency technology    | Intel® Turbo Boost Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Processor generation              | 11th Generation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Processor maximum frequency       | 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Processor maximum frequency uom   | GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Processor model                   | 11950H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Processor threads                 | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product long name specifications  | HP ZBook Fury 15.6 G8 Mobile Workstation PC, 15.6", Windows 10 Pro 64, Intel® Core™ i9, 32GB RAM, 1TB SSD, NVIDIA® 4K UHD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sales office and telephone number | Albania: +49 89 9396 1803; Algeria: +213 (0) 61 68 23 00; Austria: +43 (0) 810 00 60 80; Bahrain: 800 171; Belgium: +32 (02) 729 71 11; Bulgaria: +359 2 969 87; Bosnia-Herzegovina: +49 89 9396 1803; Commonwealth of Independent States (CIS): +(095) 923 50 01; Croatia: +385 1 606 02 00; Czech Republic: +420 261 108 108; Denmark: +45 48 12 10 00; HP East Africa, Authorized Consultant: +254 20 27 16 111 ; Egypt: HP +202 792 5070 ; Estonia: +372 6 813 820; Finland: HP Myyntipalvelu 010 217 2700; France: +33 (0) 826 800 400; Germany: +49 (0) 180 532 62 22; Greece: +30 801 11 22 55 47; Hungary: +36 (1) 382 11 11; Iceland: +354 (1) 67 10 00; Ireland: +353 1 615 82 00; Israel: +972 9 830 48 48; Italy: Prodotti +39 02 92607 330, Servizio HP Care Pack: +39 02 9212 2040; Kazakhstan & Kyrgyzstan: +7 327 2 58 43 43; Latvia: +371 703 07 00; Lithuania: +370 5 2103 300; Luxembourg : (+352) 263 160 34 Macedonia: +49 89 9396 1803; Malta: +49 89 9396 1803; Middle East (Within UAE Toll Free): 800 45 20; Moldova: +49 89 9396 1803; Morocco (African Region): Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37/+212 22 43 64 00; Netherlands: 0800 266 7272; Nigeria: + 234 13 205 241/3; Norway: +47 24 09 70 00; Poland: 0 801 522 622 and/or 00 48 22 565 77 00 (calls are charged at national rates); Portugal: +351 808 200 808 (end user welcome desk for commercial products) ; Romania: +40 (21) 303 83 00; Saudi Arabia: (Toll free) 800 897 14 33, Office Number: +96612731200; Serbia and Montenegro: +381 11 201 99 00; Slovakia: 0800 147 147; Slovenia: +386 1 230 74 20; Spain: +34 (91) 631 16 00; Sweden: +46 200 27 00 00; Switzerland: Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; Tunisia: +216 1 89 12 22; Turkey: +90 (212) 444 79 79; UAE (Toll Free): 800 45 20; UAE (Toll Free): 800 45 20 or 800 49 10; Ukraine: +380 44 490 61 20 ; United Kingdom: HP Teleweb Glasgow +44 (0) 845 270 40 00 |
| Standard memory note              | Transfer rates up to 3200 MT/s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage capacity 01               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage capacity uom 01           | TB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage interface 01              | PCIe®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage interface protocol 01     | NVMe™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage memory technology 01      | TLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage type                      | SSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage type 01                   | SSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wireless Model                    | Wi-Fi 6 AX201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Wireless antenna                  | 2x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Wireless standard**

Wi-Fi 6

**Wireless supplier**

Intel®

[19] nano SIM card slot and Intel® XMM™ 7360 LTE Advanced works with Windows 10 only.

[20] 120 W power adapter is configurable with Intel UMA graphics. 150 W power adapter is configurable with NVIDIA T1000 and T2000 configurations. 200 W power adapter is configurable with NVIDIA RTX 3000 or higher and AMD graphic configurations.

[21] UHD content required to view UHD images.

[22] HP BIOSphere Gen6 requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.

[23] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[24] SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

[26] HP Cloud Recovery is available for 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>.

[27] HP Sure Click requires Windows 10 Pro or Enterprise. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.

[28] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.

[29] HP Performance Advisor Software - 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://www8.hp.com/us/en/workstations/performance-advisor.html>

[30] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>

[31] 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.

[32] Actual brightness will be lower with HP Sure View or touch-screen.

[33] HP Quick Drop requires Internet access and Windows 10 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.

[34] Security lock for security slot is sold separately.

[35] HP Support Assistant requires Windows and Internet access.

[36] HP Connection Optimizer requires Windows 10.

[38] HP Sure Start Gen6 is available on select HP PCs and requires Windows 10.

[39] HP ZCentral Remote Boost does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. ZCentral Remote Boost requires Windows 10, RHEL/CentOS (7 or 8), UBUNTU 18.04 or 20.04 LTS, or HP ThinPro 7.1 operating systems. MacOS (10.13, 10.14, 10.15) operating system is only supported on the receiver side. Requires network access. The software is available for download at [hp.com/ZCentralRemoteBoost](http://hp.com/ZCentralRemoteBoost).

[40] HP Tamper Lock not supported on Ubuntu OS

[46] 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.

[47] 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™.

[49] HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. Network based recovery using Wi-Fi is only available on PC's with Intel Wi-Fi Module.

[51] HP Sure Run Gen3 is available on select Windows 10 Pro or Enterprise based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.

[52] HP Easy Clean requires Windows 10 RS3 and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for clean.

[54] Tile requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP Zbook Fury G8 Laptops. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see <https://support.thetileapp.com/hc/en-us/articles/200424778> for more information. HP Tile will function as long as the PC has battery power.

[55] 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 functionality can be enabled from the factory.

[58] SD 7.0 media reader supports SD 4.0 cards at SD 3.0 speeds with any SD 7.0 host. SD 7.0 card availability is expected later in 2021.

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### Batteries/Chargers/Adapters

★ : Recommended

#### AC Adapters

|                                       |                  |
|---------------------------------------|------------------|
| HP 150W Slim Smart AC Adapter (4.5mm) | <b>4SC18AA ★</b> |
| HP 200W Slim Smart AC Adapter (4.5mm) | 4SC19AA          |
| HP 7.4 mm to 4.5 DC Dongle            | KOQ39AA          |

#### Power Adapters

|                                       |         |
|---------------------------------------|---------|
| HP Pavilion USB-C to HDMI 2.0 Adapter | 2PC54AA |
|---------------------------------------|---------|

### Cases and Covers

#### Backpacks

|                                             |                  |
|---------------------------------------------|------------------|
| HP Executive 15.6 Backpack                  | <b>6KD07AA ★</b> |
| HP 17.3 Business Backpack                   | 2SC67A6          |
| HP 17.3 Business Backpack                   | 2SC67AA          |
| HP 17.3 Business Backpack                   | 2SC67ET          |
| HP Executive 17.3 Backpack                  | 6KD05AA          |
| HP Prelude 15.6-inch Backpack               | 2Z8P3AA          |
| HP Prelude Backpack 15.6                    | 1E7D6AA          |
| HP Prelude Pro Recycled Backpack            | 1X644A6          |
| HP Prelude Pro Recycled Backpack            | 1X644AA          |
| HP Renew Business 17.3-inch Laptop Backpack | 3E2U5A6          |
| HP Renew Business 17.3-inch Laptop Backpack | 3E2U5AA          |

#### Cases

|                                    |                  |
|------------------------------------|------------------|
| HP Executive 15.6 Top Load         | <b>6KD06AA ★</b> |
| HP 15.6 Business Top Load          | <b>2SC66AA ★</b> |
| HP 15.6 Business Top Load          | 2SC66A6          |
| HP 15.6 Business Top Load          | 2SC66ET          |
| HP 17.3 Business Slim Top Load     | 2UW02A6          |
| HP 17.3 Business Slim Top Load     | 2UW02AA          |
| HP Executive 15.6 Leather Top Load | 6KD09AA          |
| HP Executive 17.3 Top Load         | 6KD08AA          |

|                                        |         |
|----------------------------------------|---------|
| HP Prelude 15.6-inch Laptop Bag        | 2Z8P4AA |
| HP Prelude Pro Recycled Top Load       | 1X645A6 |
| HP Prelude Pro Recycled Top Load       | 1X645AA |
| HP Prelude Topload                     | 1E7D7AA |
| HP Renew Business 15.6-inch Laptop Bag | 3E5F8A6 |
| HP Renew Business 15.6-inch Laptop Bag | 3E5F8AA |
| HP Renew Business 17.3-inch Laptop Bag | 3E2U6AA |

## Docking and Port Replicators

### Docking Stations

|                                         |           |
|-----------------------------------------|-----------|
| HP Thunderbolt Dock G2 with Combo Cable | 3TR87AA ★ |
| HP USB-C Mini Dock                      | 1PM64AA ★ |
| HP Thunderbolt Dock 230W G2             | 2UK38AA   |

## Keyboards/Mice and Input Devices

### Keyboard and Mouse Kits

|                                                   |           |
|---------------------------------------------------|-----------|
| HP Wireless Rechargeable 950MK Mouse and Keyboard | 3M165AA ★ |
| HP Slim Wireless Keyboard and Mouse               | T6L04AA   |
| HP Wired Desktop 320MK Mouse and Keyboard         | 9SR36AA   |
| HP Wired Desktop 320MK Mouse and Keyboard         | 9SR36ET   |

### Mice

|                                |           |
|--------------------------------|-----------|
| HP Bluetooth Travel Mouse      | 6SP30AA ★ |
| HP 3-button USB Laser Mouse    | H4B81AA   |
| HP 3-button USB Laser Mouse    | H4B81ET   |
| HP Comfort Grip Wireless Mouse | H2L63AA   |
| HP Elite Presenter Mouse       | 2CE30AA   |
| HP Elite Presenter Mouse       | 2CE30ET   |
| HP Wired Desktop 320M Mouse    | 9VA80AA   |
| HP Wired Desktop 320M Mouse    | 9VA80ET   |
| HP Wireless Premium Mouse      | 1JR31AA   |
| HP X4000b Bluetooth Mouse      | H3T50AA   |
| USB Travel Mouse               | G1K28AA   |
| USB Travel Mouse               | G1K28ET   |

## Keyboards

|                                     |         |
|-------------------------------------|---------|
| HP Business Slim Smartcard Keyboard | Z9H48AA |
| HP Wired Desktop 320K Keyboard      | 9SR37AA |
| HP Wired Desktop 320K Keyboard      | 9SR37ET |

## Memory

### DDR4 Memory

|                            |         |          |
|----------------------------|---------|----------|
| HP 16 GB 2666 MHz DDR4 ECC | 4UY12AA |          |
| HP 8 GB 2666 MHz DDR4 ECC  | 4UY11AA | obsolete |

### DDR Memory

|                              |         |
|------------------------------|---------|
| HP 16 GB 3200MHz DDR4 Memory | 286J1AA |
| HP 4 GB 3200MHz DDR4 Memory  | 286H5AA |
| HP 8 GB 3200MHz DDR4 Memory  | 286H8AA |

## PC Drives and Storage

### PC Solid State Drives

|                                                |         |
|------------------------------------------------|---------|
| HP 1TB TLC PCIe 3x4 NVMe M.2 Solid State Drive | 6SK99AA |
| HP 256 GB PCI-e 3x4 NVMe M2 Solid State Drive  | 1D0H6AA |
| HP 2TB TLC PCIe 3x4 NVMe M.2 Solid State Drive | 6SL00AA |
| HP 512 GB PCI-e 3x4 NVMe M2 Solid State Drive  | 1D0H7AA |

### PC DVD Drives

|                               |         |
|-------------------------------|---------|
| HP External USB DVDRW Drive   | F2B56AA |
| HP External USB DVDRW Drive   | F2B56ET |
| HP USB External DVD-RW Writer | Y3T76AA |

## Cables/Cable Kits/Cable Adapters

### Audio and Video Cables

|                        |         |
|------------------------|---------|
| HP HDMI to DVI Adapter | F5A28AA |
|------------------------|---------|

### Cable Adapters

|                                      |         |
|--------------------------------------|---------|
| HP Single miniDP-to-DP Adapter Cable | 2MY05AA |
| HP Thunderbolt Dock G2 Combo Cable   | 3XB96AA |
| HP USB-C to DP Adapter               | N9K78AA |

|                      |         |
|----------------------|---------|
| HP USB-C to HDMI 2.0 | 1WC36AA |
|----------------------|---------|

|                             |         |
|-----------------------------|---------|
| HP USB-C to USB 3.0 Adapter | N2Z63AA |
|-----------------------------|---------|

|                       |         |
|-----------------------|---------|
| HP USB-C to USB-A Hub | Z6A00AA |
|-----------------------|---------|

|                         |         |
|-------------------------|---------|
| HP USB-C to VGA Adapter | N9K76AA |
|-------------------------|---------|

|                                 |         |
|---------------------------------|---------|
| HP USB-C to VGA Display Adapter | P7Z54AA |
|---------------------------------|---------|

## Graphics Cards

### Graphics Connectors/Adapters

|                        |         |
|------------------------|---------|
| HP HDMI to VGA Adapter | H4F02AA |
|------------------------|---------|

|                        |         |
|------------------------|---------|
| HP HDMI to VGA Adapter | H4F02ET |
|------------------------|---------|

## Point of Sales System Options

### POS Display Accessories

|            |         |
|------------|---------|
| HP L5010ta | 2KY27AA |
|------------|---------|

|                                          |         |
|------------------------------------------|---------|
| HP L7010t 10.1-inch Retail Touch Monitor | T6N30AA |
|------------------------------------------|---------|

|                                 |         |
|---------------------------------|---------|
| HP L7014 14-inch Retail Monitor | T6N31AA |
|---------------------------------|---------|

|                                        |         |
|----------------------------------------|---------|
| HP L7014t 14-inch Retail Touch Monitor | T6N32AA |
|----------------------------------------|---------|

|                                          |         |
|------------------------------------------|---------|
| HP L7016t 15.6-inch Retail Touch Monitor | V1X13AA |
|------------------------------------------|---------|

## Security and Protection

### PC Locks

|                          |         |
|--------------------------|---------|
| HP Nano Keyed Cable Lock | 1AJ39AA |
|--------------------------|---------|

|                                 |         |
|---------------------------------|---------|
| HP Nano Master Keyed Cable Lock | 1AJ40AA |
|---------------------------------|---------|

|                        |         |
|------------------------|---------|
| HP Sure Key Cable Lock | 6UW42AA |
|------------------------|---------|

## Network Adapters

### Wireless LAN

|                               |         |
|-------------------------------|---------|
| HP XMM™ 7360 LTE-Advance WWAN | 3FB01AA |
|-------------------------------|---------|

## Monitors

### Business Monitors

★ : Recommended

#### E-Series

|                                      |         |          |
|--------------------------------------|---------|----------|
| HP E22 G4 FHD Monitor                | 9VH72AA |          |
| HP E23 G4 FHD Monitor                | 9VF96AA |          |
| HP E24 G4 FHD Monitor                | 9VF99AA |          |
| HP E24d G4 FHD USB-C Docking Monitor | 6PA50AA | obsolete |
| HP E24d G4 FHD USB-C Docking Monitor | 6PA50AS |          |
| HP E24d G4 FHD USB-C Docking Monitor | 6PA50AT |          |
| HP E24i G4 WUXGA Monitor             | 9VJ40AA |          |
| HP E24mv G4 FHD Conferencing Monitor | 169L0AA |          |
| HP E24q G4 QHD Monitor               | 9VG12AA |          |
| HP E24t G4 FHD Touch Monitor         | 9VH85AA |          |
| HP E27 G4 FHD Monitor                | 9VG71AA |          |
| HP E27d G4 QHD USB-C Docking Monitor | 6PA56AA | obsolete |
| HP E27d G4 QHD USB-C Docking Monitor | 6PA56AS |          |
| HP E27d G4 QHD USB-C Docking Monitor | 6PA56AT |          |
| HP E27q G4 QHD Monitor               | 9VG82AA |          |

#### EliteDisplays

|                                                                               |         |  |
|-------------------------------------------------------------------------------|---------|--|
| HP EliteDisplay E190i 48 cm (18.9") 5:4 LED Backlit IPS Monitor (ENERGY STAR) | E4U30AA |  |
| HP EliteDisplay E243m 60.45 cm (23.8") Monitor                                | 1FH48AA |  |

#### Healthcare Edition Displays

|                                                      |         |  |
|------------------------------------------------------|---------|--|
| HP Healthcare Edition HC241 Clinical Review Monitor  | 3ME68AA |  |
| HP Healthcare Edition HC241p Clinical Review Monitor | 3ME69AA |  |

#### P-Series

|                          |         |  |
|--------------------------|---------|--|
| HP P22 G4 22 FHD Monitor | 1A7E4AA |  |
| HP P22h G4 FHD Monitor   | 7UZ36AA |  |
| HP P22h G4 FHD Monitor   | 7UZ36AT |  |
| HP P22v G4 Monitor       | 9TT53AA |  |
| HP P24 G4 24 FHD Monitor | 1A7E5AA |  |
| HP P24h G4 FHD Monitor   | 7VH44AA |  |

|                                      |         |
|--------------------------------------|---------|
| HP P24q G4 QHD Height Adjust Monitor | 8MB10AA |
| HP P24v G4 Monitor                   | 9TT78AA |
| HP P27h G4 FHD Monitor               | 7VH95AA |
| HP P27q G4 QHD Height Adjust Monitor | 8MB11AA |
| HP P27v G4 Monitor                   | 9TT20AA |

## Z Displays

|                          |         |
|--------------------------|---------|
| HP Z24f G3 FHD Display   | 3G828AA |
| HP Z24n G3 WUXGA Display | 1C4Z5AA |
| HP Z27q G3 QHD Display   | 1C4Z7AA |

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