# ProductSheet HP ZBook Firefly 14 inch G9 Mobile Workstation PC Wolf Pro SecurityEdition (6N2G0UT)



## Step up performance. Not size.

Pro-level performance combines with true mobility in this amazingly sleek and powerful laptop. Stay productive wherever you're working with integrated or discrete graphics and processor, Alenhancing webcam and audio, and a stunning display—everything you need to collaborate and manage projects anywhere.



## HP recommends Windows 11 Pro for busi Hoggrade to pro-level performance

Say goodbye to lags and crashes with faster responsiveness on projects. With Intel® processors[1] and integrated or discrete graphics you can open large files and run pro apps simultaneously for speedy multitasking and productivity.

#### Work all day. Anywhere.

Starting at 3.25 lbs,[4] our most mobile ZBook is made to move. With up to 13-hours of battery life,[5] this sleek yet durable device is small enough to fit in your bag so you can stay productive anywhere. This is high performance workstation power on the go.

#### Connect. Communicate. Collaborate.

Collaborate effectively with ZBook Firefly. The AI enhanced auto-framing 5MP camera[6] offers improved image quality even in low light, and discrete audio amps block background noise so you can connect from any location with a more personal experience.

#### Featuring

### Intel® Core™ i7 processor

Run several CPU–heavy programs simultaneously without sacrificing performance with an Intel® Core<sup>TM</sup> i7 processor. <sup>[3]</sup>

#### Industry-Leading Security

Make your screen unreadable to those around you at the touch of a button with industryleading HP Sure View.

### 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>[7]</sup>

#### **HP Fast Charge**

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes. [8]

#### **HP Collaboration Keyboard**

Launch and manage calls from anywhere using Skype® with HP Noise Cancellation and the world-facing third microphone. Shortcut keys, including start/stop call, calendar and screen share, enable efficient and effective collaboration. <sup>[9]</sup>

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# **Specifications**

Processor         12th Generation Intel® Core™ i7 processor           Processor         Intel® Core™ i7 LoSGU (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)           Processor technology         Intel® Core™ i7 with VPro™ Technology           Chipset         Intel® Core™ i7 with VPro™ Technology           Memory Stot         2 SoDIMM: supports dual channel           Internal Storage         512 GB PCIe® NVMe™ TLC SSD           Optical drive         Not Included           Graphics         Discrete           Graphics (litegrated)         Integrated           Graphics (litegrated)         Integrated drive           Graphics (litegrated)         Integrated drive           Display         35.6 cm (42') diagonal, WUXCA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated drive/sy screen <sup>11,3,3,6,37</sup> Display size (diagonal)         35.6 cm (42')           Display size (diagonal)         35.6 cm (42')           Minimum dimensions (WX D)         31.56 x 22.43 x 1.99 cm           X H)         String at 1.47 Kg           Minimum dimensions (WX D)         12.42 x 8.8 v.78 in           X H)         String at 1.47 kg           Weight         String at 1.47 kg           (Weight varies by configuration and components.)           Weight	Operating system	Minimum 44 Dec[1]
Processor         Intel® Core ************************************	Operating system	Windows 11 Pro <sup>[1]</sup>
Processor technology inte® cne <sup>®</sup> i7 with VPc <sup>®</sup> Technology Chipset inte® cne <sup>®</sup> i7 with VPc <sup>®</sup> Technology Memory Slots 2 SODMM: supports dual channel internal Storage 512 GB PC/e® NVMe <sup>®</sup> TLC SSD Optical drive NV to Included Graphics Discrete Graphics Discrete Graphics Discrete Graphics Gitscrete) NV/DIA® TSO0 (4 GB GDDR6 dedicated) Graphics (integrated) Inte® integrated Graphics Content of the Storage Stor	Processor family	
Chipset         Intel® Integrated SpC           Memory         16 GB DDR5-4800 MH2 RAM (2 x 8 GB)           Memory Stots         2 SODIMIX. Supports dual channel           Internal Storage         512 GB PCIe® NVMe <sup>M</sup> TLC SSD           Optical drive         Not included           Graphics         Discrete           Graphics (discrete)         NVIDIA® T500 (4 GB GDDR6 dedicated)           Graphics (integrated)         Intel® Integrated           Graphics (integrated)         Intel® integrated           Display         Refect integrated privacy screen           Display (a 'diagonal, WUXCA (1320 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen <sup>11,33,30,37</sup> Display size (diagonal)         35.6 cm (14')           Display size (diagonal)         31.56 x 22.43 x 1.99 cm           Minimum dimensions (WX D x H)         31.56 x 22.43 x 1.99 cm           Minimum dimensions (WX D x H)         Starting at 3.26 in Young You		threads)
Memory         16 6 B DDRS-4800 MHz RAM (2 x 8 GB)           Memory Slots         2 SODIMM: supports dual channel           Internal Storage         512 GB PCIeMVMe <sup>TM</sup> TC SSD           Optical drive         Not Included           Graphics         Discrete           Graphics (discrete)         NVIDIA® T500 (4 GB GDDR6 dedicated)           Graphics (integrated)         Integrated           Graphics (integrated)         Integrated           Display         35.6 cm (147) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen           Display size (diagonal)         35.6 cm (147)           Display size (diagonal)         35.6 cm (147)           Display size (diagonal)         34.6 cm (147)           Display size (diagonal)         34.6 cm (147)           Display size (diagonal)         14.4 Calubren, dual streto speakers, HP Worlf Facing Microphone dual array digital microphones, incentions keys for volume up and down, combo microphone/headphone jack, HD audio           Minimum dimensions (W X D)         31.56 x 22.43 x 1.99 cm           XH)         31.56 x 22.43 x 1.99 cm           Minimum dimensions (W X D)         12.42 x 8.8 x 0.78 in X*H           Weight         Starting at 1.47 kg (Weight varies by configuration and components.)           Weight         Starting at 1.42 kg 2 and Bautoothe S 2 combo		••
Memory Slots         2 SODMM: supports dual channel           Internal Storage         512 GB PCIe® NVNe <sup>W</sup> TLC SSD           Optical drive         Nx tinckled           Graphics         Discrete           Graphics (discrete)         NVDIAB T500 (4 GB GDDR6 dedicated)           Graphics (integrated)         Integrated           Display         S5 6 cm (147) diagonal, WUSCA (1920 x 1200), IPS, anl-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen           Display size (diagonal)         14' diagonal, WUSCA (1920 x 1200), IPS, anl-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen           Display size (diagonal)         14'           Audio         Audio by Bong & Ohne, dual store spaakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio           Minimum dimensions (W × D x H)         15 s z 2.43 x 1.99 cm           X H)         12.42 x 8.8 x 0.78 in           Weight         Storting at 3.47 kg (Weight varies by configuration and components.)           Weight         Storting at 3.28 b (Weight varies by configuration and components.)           Weight         Storting at 3.28 b (Weight varies by configuration and components.)           Weight         Storting at 3.28 b (Weight varies by configuration and components.)           Weight         Storting at 3.28 b (Weight varies by configuratio	•	Intel® Integrated SoC
Internal Storage         512 GB PCie/0 NVMe <sup>™</sup> TLC SSD           Optical drive         Not included         Graphics           Graphics         Discrete         Graphics         Graphics           Graphics (discrete)         NVDIA® T500 (4 G B GDDR6 dedicated)         Graphics (discrete)           Graphics (integrated)         Integrated privacy screen         Graphics (discrete)           Display         25 G cm (14*) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen           Display size (diagonal)         35 G cm (14*)         Display size (diagonal)         44* diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen (III.33.8.3*)           Display size (diagonal)         35 G cm (14*)         Display size (diagonal)         14*           Audio         Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphones, lunctons keys for volume up and down, combo microphone/headphone pack, HD audio microphone/headphone pack, HD audio Minimum dimensions (W × D 31.56 x 22.43 x 1.99 cm         31.56 x 22.43 x 1.99 cm           Kinimum dimensions (W × D 2.42 x 8.8 x 0.78 in x H)         Starting at 1.47 kg (Weight warks by configuration and components.)           Keyboard         HP Colaboration Privacy Keyboard - spill-resistant, backlit keyboard           Camera         SMP HD IR camera           Ports         1 he	Memory	16 GB DDR5-4800 MHz RAM (2 x 8 GB)
Optical drive         Not included           Graphics         Discrete           Graphics (discrete)         NVIDLA® T500 (4 GB GDDR6 dedicated)           Graphics (integrated)         IntegRise X: Graphics           Graphics (integrated)         IntegRise X: Graphics           Display         S5 6 cm (14*) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect Integrated privacy screent           Display size (diagonal)         S5 6 cm (14*)           Display size (diagonal)         14*           Audio         Audio by Bang & Olutisen, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/neadphone jack, HD audio Minimum dimensions (W × D x 156 x 22.43 x 1.99 cm           Minimum dimensions (W × D x 150 x 22.43 x 1.99 cm         Starting at 1.4* kg (Weight dist at 2.4 kg x 0.78 in xH)           Weight         Starting at 2.6 kg (Weight wrise by configuration and components.)           Weight         Starting at 2.8 kg (Veign wrise by configuration and components.)           Weight         Starting at 2.8 kg (Veign wrise by configuration and components.)           Weight         Starting at 2.8 kg (Veign wrise by configuration and components.)           Weight         Starting at 2.8 kg (Veign wrise by configuration and components.)           Weight         Starting at 2.8 kg (Veign wrise by configuration and components.)	Memory Slots	2 SODIMM; supports dual channel
Graphics         Discrete           Graphics         NVDLA® T500 (4 GB GDDR6 dedicated)           Graphics         Integrated           Graphics         Integrated           Display         B5 6 cm (147) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect Integrated privacy screent           Display         L4" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect Integrated privacy screent           Display size (diagonal)         35 6 cm (14")           Display size (diagonal)         14"           Audio         Audio by Bang & OLtsen, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/meadphone jack, HD audio           Minimum dimensions (W x D         1.56 x 22.43 x 1.99 cm           X H)         Starting at 1.47 kg (Weight           Weight         Starting at 1.47 kg (Weight varies by configuration and components.)           Weight         Starting at 1.47 kg (Weight varies by configuration and components.)           Weight         Starting at 2.47 kg (Weight varies by configuration and components.)           Ports         1. SuperSpeed USB Type-A 5Gbps signaling rate (Charging): 1.HDMI 2.0b; 2.Thunderbolt <sup>W</sup> 4 with USB4 <sup>M</sup> Type-C2# 40Gbps signaling rate (USB Power 4.Bespayert <sup>W</sup> 4.4F Baep and Charge)           Ports         1. Neadphone/microphone combo; 1.SuperSpeed USB Type-A 5Gbps signaling rate </th <th>Internal Storage</th> <th>512 GB PCle® NVMe™ TLC SSD</th>	Internal Storage	512 GB PCle® NVMe™ TLC SSD
Graphics (discrete)         NVIDIA® T500 (4 GB GDDR6 dedicated)           Graphics         Intel® Ins® Xr Graphics           Display         35.6 cm (147) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure Vew Reflect integrated privacy screen           Display         14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure Vew Reflect integrated privacy screen           Display size (diagonal)         35.6 cm (14")           Display size (diagonal)         14"           Audio         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 X H)           Minimum dimensions (W x D x H)         31.6 s x 22.43 x 1.9 g cm           Weight         Starting at 1.47 kg (Weight array at 1.47 kg (Weight array at 2.6 lb (Weight Array by Configuration and components.)           Keyboard         HD Calaboration Privacy Keyboard – spill-resistant, backlit keyboard           Camera         SMP HD IR camera           Ports         1.5uperSpeed USB Type-A SGbps signaling rate (charging): 1 HDMI 2.0b, 2 Thunderboit <sup>M</sup> 4 with USB4 <sup>MM</sup> Type-C@ 40Gbps signaling rate (barging): 1 HDMI 2.0b, 2 Thunderboit <sup>M</sup> 4 with USB4 <sup>MM</sup> Type-C@ 40Gbps signaling rate (barging): 1 HDMI 2.0b, 2 Thunderboit <sup>M</sup> 4 with USB4 <sup>MM</sup> Type-C@ 40Gbps signaling rate (barging): 1 HDMI 2.0b, 2 Thunderboit <sup>M</sup> 4 with USB4 <sup>MM</sup> Type-C@ 40Gbps Stype-C <sup>M</sup> adapt	Optical drive	Not included
Graphics         Integrated           Graphics         Intellevins6 Xer Graphics           Display         85.6 cm (14°) (diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen           Display         14° diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen(11.33.86.37)           Display size (diagonal)         35.6 cm (14°)           Display size (diagonal)         14°           Audio         Audio by Bang & Olufsen, dual stere speakers, HP World Facing Microphone dual array digital microphones, lunctions keys for volume up and down, combo microphone/headphone jack. HD audio           Minimum dimensions (W x D x H)         12.42 x 8.8 x 0.78 in           x H)         12.42 x 8.8 x 0.78 in           Weight         Starting at 2.8 b           (Weight varies by configuration and components.)           Keyboard         HP Colaboration Privacy Keyboard – spill-resistant, backlit keyboard           Camera         ISMP HD IR camera           Ports         1 headphone/microphone combo: 1 SuperSpeed USB Type-A 5Gbps signaling rate           Wireless         Intell view Poe-C** adapter           Battery type         HP Long Lie 3-cell, S1 Wh Li-Kn polymer           Sustainable impact         SuperSpeed view Reflect; Bernal power supply           90% settineer, Burk packadaber         Supe	Graphics	Discrete
Graphics (integrated)       Intel® Int® X® Graphics         Display       35.6 cm (14*) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect Integrated privacy screen         Display       14* diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect Integrated privacy screen         Display size (diagonal)       35.6 cm (14*)         Display size (diagonal)       14*         Audio       Audio VB 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 Minimum dimensions (W x D x H)         X H)       31.56 x 22.43 x 1.99 cm         Minimum dimensions (W x D x H)       24.2 x 8.8 x 0.78 in x         X H)       12.42 x 8.8 x 0.78 in x         Weight       Starting at 3.26 ib (Weight varies by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       5MP HD IR camera         Ports       1 superSpeed USB Type-A SGbps signaling rate (charging): 1 HDM1 2.0; 2 Thunderboit™ 4 with USB4™ Type-C® 40Gbps signaling rate         Wireless       Intel® Wi-FI & AZ211 (2x2) and Bluetooth® 5.2 combo (Supportim Gigabit data rate)         Power       65 W USB Type-C® 43dbpter         Battery type       HP Long Life 3-cell, 51 Wh Li-lon polymer         Battery type	Graphics (discrete)	NVIDIA® T500 (4 GB GDDR6 dedicated)
Display         35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen.           Display         14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen. <sup>11,33,36,37]</sup> Display size (diagonal)         35.6 cm (14")           Audio         Audio by Bang & Oufsen, dual stereo speakers, HP World Facing Microphone dual array digtal microphones, functions keys for volume up and down, combo microphone/meadphone jack, HD audio Minimum dimensions (W X D X H)           Nimimum dimensions (W X D X H)         12.42 x 8.8 x 0.78 in X H)           Starting at 1.47 kg (Weight         Starting at 1.47 kg (Weight wrize by configuration and components.)           Keyboard         HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard           Camera         5MP HD IR camera           Ports         1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (CBB PopulayPort)** 1.4, HP Sleep and Charge)           Ports         1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate           Wireless         Intel® WF 16 E AX211 (2x2) and Bluetoth® 5.2 combo (Supporting Gigabit data rate)           Power         65 W USB Type-C** adapter           Battery type         HP Long Life 3-cell, 51 Wh Li+ion polymer           Battery trecharge time         Suports batery fast charge: approximately 50% in 30 minutes           Management	Graphics	Integrated
Display         Reflect integrated privacy screen           Display         14" diagonal, WUXGA (1220 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen[11.33.86.37]           Display size (diagonal)         35.6 cm (14")           Display size (diagonal)         14"           Audio         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           Minimum dimensions (W X D x H)         31.56 x 22.43 x 1.99 cm           X H)         31.56 x 22.43 x 1.99 cm           Weight         Starting at 3.76 lb           (Weight varies by configuration and components.)           Weight         Starting at 3.26 lb           (Weight varies by configuration and components.)           Keyboard         HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard           Camera         SMP HD IR camera           Ports         1 beadphone/microphone combo; 1 Super Speed USB Type- A SGbps signaling rate           Wireless         Intel® Wr-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)           Power         65 W USB Type-C <sup>m</sup> adapter           Battery type         HP Long Life 3-cell, 51 Wh Li-Ion polymer           Battery type         HP Comp Click; HP Sure Click; HP Sure Click; HP Sure Senser HP BioSphere Gen6;	Graphics (integrated)	Intel® Iris® X <sup>e</sup> Graphics
Display         Integrated privacy screen[11, 33, 36, 37]           Display size (diagonal)         35.6 cm (14")           Display size (diagonal)         14"           Audio         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 Minimum dimensions (W x D x H)           15.6 x 22.43 x 1.99 cm         31.56 x 22.43 x 1.99 cm           Weight         Starting at 1.47 kg (Weight varies by configuration and components.)           Weight         Starting at 1.47 kg (Weight varies by configuration and components.)           Weight         Starting at 3.26 lb (Weight varies by configuration and components.)           Keyboard         HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard           Camera         SMP HD IR camera           Ports         Type-C® 40CBps signaling rate (Charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40CBps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)           Power         65 W USB Type-C C™ adapter           Battery type         HP Long Life 3-cell, 51 Wh Li-ion polymer           Battery type         HP Power Manager[15]           Sustainable impact specifications         Sustainably sourced and recyclable; Outside tox and corrugated cushion size box is 100% sustainably sourced and recyclable; Outside tox and corrugated cushion sise box is 100% sustainably sourced and recyclable	Display	
Display size (diagonal)       14"         Audio       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         Minimum dimensions (W x D x H)       31.56 x 22.43 x 1.99 cm         Minimum dimensions (W x D x H)       31.56 x 22.43 x 1.99 cm         Weight       Starting at 1.47 kg (Weight varies by configuration and components.)         Weight       Starting at 3.26 lb (Weight varies by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       SMP HD IR camera         Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (USB Power Delivery, DisplayPort** 1.4, HP Sleep and Charge)         Ports       1 nealphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)         Power       65 W USB Type-C** adapter         Battery techarge time       Supports battery last charge: aproximately 50% in 30 minutes         Management features       HP Power Manager[15]         Sustainable impact       Ooken-hound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable         <	Display	14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen <sup>[11,33,36,37]</sup>
Audio       Audio by Bang & Olufsen, dual steree speakers. HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x D x H)       31.56 x 22.43 x 1.99 cm         Minimum dimensions (W x D x H)       2.42 x 8.8 x 0.78 in         X H)       Starting at 1.47 kg         Weight       Starting at 3.26 lb         (Weight varies by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       5MP HD IR camera         Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt <sup>™</sup> 4 with USB4 <sup>™</sup> Type-C0 40Gbps signaling rate (USB Power Delivery, DisplayPort <sup>™</sup> 1.4, HP Sleep and Charge)         Ports       1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)         Power       65 W USB Type-C <sup>™</sup> adapter         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Battery treps thattery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>115</sup> Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halager, Sestiant Gend, HP Sure Start Gend, HP Sure Start Gend, CH P Sure Recover Gend with Beihoded Paper pulp c	Display size (diagonal)	35.6 cm (14")
Huito         microphones, functions keys for volume up and down, combo microphone/headphone jäck, HD audio           Minimum dimensions (W x D x H)         31.56 x 22.43 x 1.99 cm           Minimum dimensions (W x D x H)         12.42 x 8.8 x 0.78 in           Weight         (Weight varies by configuration and components.)           Weight         (Weight varies by configuration and components.)           Weight         Starting at 1.47 kg (Weight varies by configuration and components.)           Keyboard         HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard           Camera         SMP HD IR camera           Ports         1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt <sup>™</sup> 4 with USB4 <sup>™</sup> Type-Ce <sup>®</sup> 405bps signaling rate (USB Power Delivery, DisplayPort <sup>™</sup> 1.4, HP Sleep and Charge)           Ports         1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate           Wireless         Intel® WF-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)           Power         65 W USB Type-C <sup>™</sup> adapter           Battery recharge time         Supports battery fast charge: approximately 50% in 30 minutes           Management features         HP Power Manager <sup>115</sup> Cacan-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bukk Beackaging avalable; Moled paper pulc cushion inside box is 100% sustainable impact	Display size (diagonal)	14"
X H)       31.56 × 22.43 × 1.99 cm         Minimum dimensions (W × D)       12.42 × 8.8 × 0.78 in         Weight       Starting at 1.47 kg (Weight warks by configuration and components.)         Weight       Starting at 1.47 kg (Weight varks by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       5MP HD IR camera         Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt <sup>™</sup> 4 with USB4 <sup>™</sup> Type-C® 406bps signaling rate (USB Power Delivery, DisplayPort <sup>™</sup> 1.4, HP Sleep and Charge)         Ports       1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supparort <sup>™</sup> 1.4, HP Sleep and Charge)         Power       65 W USB Type-C <sup>™</sup> adapter         Battery recharge time       Suppro-C <sup>™</sup> adapter         Battery recharge time       Suppro-L <sup>™</sup> adapter         Battery recharge time       Supprove 1.51 Wh Lion polymer         Battery recharge time       Supprove 1.51 What packarging available; Moled paper pulp cushin inside box is 100%         Sustainable impact       Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency. Low Hadogen; Bulk packaging available; Moled paper pulp cushin inside box is 100%         Security management       HP Sure Click; HP Secure Erase; HP Man	Audio	
x H)       12.42 X 8.8 x 0.78 in         Weight       Starting at 1.47 kg (Weight varies by configuration and components.)         Weight       Starting at 3.26 lb (Weight varies by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       5MP HD IR camera         Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-Ce® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)         Ports       1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)         Power       65 W USB Type-C™ adapter         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Sustainable impact       Supports battery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>(15)</sup> Sustainable impact       Sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Ustike box and corrugated cushions are 100% sustainably sourced and recyclable; Cushide box and corrugated cushions are 100% sustainably sourced and recyclable; Cushide box and corrugated cushions are 100% sustainably sourced and recyclable; Cushide box and corrugated cushions are 100% sustainably sourced and	•	31.56 x 22.43 x 1.99 cm
Weight       (Weight varies by configuration and components.)         Weight       Starting at 3.26 lb (Weight varies by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       5MP HD IR camera         Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 406lpps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)         Ports       1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)         Power       65 W USB Type-C™ adapter         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Battery recharge time       Supports battery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>[15]</sup> Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable         Bir Security management       HP Sure Click; HP Secure frase; HP Manageability Integration Kit; HP Sure Securef.core PC capable; TPM 2.0 Embedded Security Chig; Infineon SLB9670; Camera privacy shutter[24.25.29.31.32.33.34.04.24.34.44.45]         Software included	•	12.42 x 8.8 x 0.78 in
Weight       (Weight varies by configuration and components.)         Keyboard       HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard         Camera       5MP HD IR camera         Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (charging): 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)         Ports       1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supportim Gigabit data rate)         Power       65 W USB Type-C <sup>™</sup> adapter         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Battery recharge time       Supports battery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>[15]</sup> Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency: Low Halogen; Builk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable         Becurity management       HP Sure Cick; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Action; HB Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Uanager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,2</sup>	Weight	
Camera         5MP HD IR camera           Ports         1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)           Ports         1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate           Wireless         Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)           Power         65 W USB Type-C™ adapter           Battery type         HP Long Life 3-cell, 51 Wh Li-ion polymer           Battery recharge time         Supports battery fast charge: approximately 50% in 30 minutes           Management features         HP Power Manager <sup>[15]</sup> Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable           Security management         HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitocker Encryption; HP Proactive Security; Suns Security Lock Stot; HP Image Assistant Gen4.6; HP TYme Configuration Utility; HP Sure Rue Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SL9670; Camera privacy shutter[24,25,29,31,32,33,43,40,44,44,44,44,44]           Bing search for IE11; Buy Office; CyberLink Pow	Weight	<b>.</b>
Ports       1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)         Ports       1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate         Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)         Power       65 W USB Type-C™ adapter         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Battery recharge time       Supports battery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>[15]</sup> Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainable sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure Vew Reflect; NS Bitlocker Encryption; HP Poactive Security: Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,25,29,31,32,33,34,38,40,42,43,44,45]         Software included       Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation</sup>	Keyboard	HP Collaboration Privacy Keyboard – spill-resistant, backlit keyboard
Ports         Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)           Ports         1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate           Wireless         Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)           Power         65 W USB Type-C™ adapter           Battery type         HP Long Life 3-cell, 51 Wh Li-ion polymer           Battery recharge time         Supports battery fast charge: approximately 50% in 30 minutes           Management features         HP Power Manager[15]           Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Start Gen6; HP Sure Start Gen6; HP Sure Network Start Gen7; HP use Network Refice; MS Bitlocker Encrypton; HP Proactive Security: Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Network Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter[24,25,29,31,32,33,48,40,42,43,44,45]           Software included         Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recoverty Manager; MP Privacy Setting; HP Programmable Key; HP Quick	Camera	5MP HD IR camera
Wireless       Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)         Power       65 W USB Type-C <sup>™</sup> adapter         Battery type       HP Long Life 3-cell, 51 Wh Li-ion polymer         Battery recharge time       Supports battery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>[15]</sup> Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable         Security management       HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4, 6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Chc; Not; HP Image Assistant Gen4, 6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Chc; Slot; HP Image Assistant Gen4, 6; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC hardware Diagnostics UEFI; HP PC hardware Diagnostics UEFI; HP PC hardware Diagnostics UFI; HP ZCentral Remote Boost Software; myHP; HP QuickDrop; HP Touchpoint Customizer; HP VorkWell; Tile™ App (optional) <sup>[18,19,20,21,22,23,26,55]</sup> UPC number	Ports	
Power         65 W USB Type-C™ adapter           Battery type         HP Long Life 3-cell, 51 Wh Li-ion polymer           Battery recharge time         Supports battery fast charge: approximately 50% in 30 minutes           Management features         HP Power Manager <sup>[15]</sup> Sustainable impact specifications         Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable           Security management         HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security: Nano Security Uack Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,25,29,31,32,33,34,38,40,42,43,44,45]</sup> Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software included         Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional)	Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate
Battery type         HP Long Life 3-cell, 51 Wh Li-ion polymer           Battery recharge time         Supports battery fast charge: approximately 50% in 30 minutes           Management features         HP Power Manager <sup>[15]</sup> Sustainable impact specifications         Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable           Security management         HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Click; HP Sure Click; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,25,29,31,32,33,34,38,40,42,43,44,45]</sup> Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; MP Support Assistant; Native Miracast support; HP Chardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional] <sup>[18,19,20,21,22,23,26,55]</sup> UPC number         196786302879         3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms	Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
Battery recharge time       Supports battery fast charge: approximately 50% in 30 minutes         Management features       HP Power Manager <sup>[15]</sup> Sustainable impact specifications       Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; MP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Start Gen6; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,25,29,31,32,33,34,38,40,42,43,44,45]</sup> Software included       Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional) <sup>[18,19,20,21,22,23,26,55]</sup> UPC number       196786302879       3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	Power	65 W USB Type-C™ adapter
Management features       HP Power Manager <sup>[15]</sup> Sustainable impact specifications       Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable         Security management       HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Click; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,25,29,31,32,33,34,38,40,42,43,44,45]</sup> Software included       Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; MP Pyort Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP CL Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional) <sup>[18,19,20,21,22,23,26,55]</sup> UPC number       196786302879         Manufacturer Warranty       3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	Battery type	HP Long Life 3-cell, 51 Wh Li-ion polymer
Sustainable impact specifications       Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable         Security management       HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter <sup>[24,25,29,31,32,33,43,84,04,24,3,44,45]</sup> Software included       Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional) <sup>[18,19,20,21,22,23,26,55]</sup> UPC number       196786302879       3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes
Sustainable impact specifications90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclableSecurity managementHP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter[24,25,29,31,32,33,34,38,40,42,43,44,45]Software includedBing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional)[ <sup>18,19,20,21,22,23,26,55]</sup> UPC number196786302879Manufacturer Warranty3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	Management features	HP Power Manager <sup>[15]</sup>
Security managementHP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter[24,25,29,31,32,33,44,84,44,45]Software includedBing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional) <sup>[18,19,20,21,22,32,36,55]</sup> UPC number196786302879Manufacturer Warranty3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	•	90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced
Software includedSoftware; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile™ App (optional) <sup>[18,19,20,21,22,23,26,55]</sup> UPC number196786302879Manufacturer Warranty3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	Security management	HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy
UPC number       196786302879         Manufacturer Warranty       3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	Software included	HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP
Manufacturer Warranty 3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions	UPC number	
		3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions

ProductSheet | HP ZBook Firefly 14 inch G9 Mobile Workstation PC Wolf Pro SecurityEdition (6N2G0UT)

**Top Recommended Displays, Accessories and Services** 

No Top Recommended Displays, Accessories and Services

ProductSheet | HP ZBook Firefly 14 inch G9 Mobile Workstation PC Wolf Pro SecurityEdition (6N2G0UT)

#### **Messaging Footnotes**

[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. Intel's numbering, branding and/or naming is not a measurement of higher performance. Optional, configurable feature that must be configured at purchase.

[3] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[4] Lowest weight. Weight will vary by configuration.

[5] Battery life will vary depending on the 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 MobileMark18 battery benchmark https://bapco.com/products/mobilemark-2018/ for additional details

[6] Optional feature that must be configured at purchase.

[7] 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.

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

[9] Skype requires Internet access and is not available in China.

#### **Technical Specifications Footnotes**

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[11] HP DreamColor Panel available in the Q2 2021 timeframe.

[15] Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.

[18] HP Support Assistant - Requires Windows and Internet Access.

[19] 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. RGS requires Windows, RHEL (7 or 8), UBUNTU 18.04 LTS, or HP ThinPro 7 operating systems. MacOS (10.13 or newer) operating system is only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.

#### [20] Web-only Support

[21] Tile<sup>TM</sup> requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP Elite 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.

[22] 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.

[23] HP Performance Advisor Software. Learn more or download at: https://www8.hp.com/us/en/workstations/performance-advisor.html

[24] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[25] HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store. HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

[26] HP Connection Optimizer requires Windows 10.

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

[31] HP Sure Run Gen4 is available on select HP PCs and requires Windows 10 and higher.

[32] Secured-core PC requires an Intel® vPro® or AMD Ryzen<sup>™</sup> Pro processor. Requires 8 GB or more system memory. Secured-core PC functionality can be enabled from the factory.

[33] 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.

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

[36] Sold separately or as an optional feature.

Learn more at

127 Desolutions are dependent upon monitor canability, and recolution and color donth settings

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