ProductSheet HP ZBook Firefly 16 inch G10 Mobile Workstation PC Wolf Pro Security Edition (7Z1A7UT)

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 business Upgrade to pro-level performance

Say goodbye to lags and crashes with faster responsiveness on projects. With an Intel® processor[1] and integrated or discrete graphics[3] you can open large files and run pro apps simultaneously for speedy multitasking and productivity.

Work all day. Anywhere

Starting at 3.88 lbs,[5] our most mobile ZBook is made to move. With a long lasting battery[6] the 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[7] offers improved image guality even in low light, and AI Noise Suppression software[8] blocks background noise so you can seamlessly connect from almost anywhere.

Featuring

Windows 11

Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

Intel[®] Core[™] i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core[™] i7 processor. ^[2]

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. ^[4]

HP Fast Charge

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes. ^[9]

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.

Processor family 13th Generation Intel® Core® 17 processor Intel® Core® 17-1370P lup to 2. GHz with Intel® Turbe Boost Technology, 24 MB L3 cache, 14 cores, 20 threads) Object Intel® Integ® 150 Memory 32 GB DDBS-5200 MHz BAM (2 x 16 GB) Memory Slots 2 SG DDBMS supports dual channel Internal Storage 512 GB PC/eF NUMME TC SSD Graphics (Integ® 164 Intel® Integ® 164 Display 16* diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45%, NTSC Display size (diagonal) 40.6 cm (16*) Minimum dimensions (W X D KH) 3 5.87 x 25.0 s 1: 9 s m Minimum dimensions (W X D KH) 5.87 x 25.0 s 1: 9 s m Minimum dimensions (W X D KH) 5.87 x 25.0 s 1: 9 s m Minimum dimensions (W X D KH) 5.87 x 25.0 s 1: 9 s m Minimum dimensions (W X D KH) 1.81 x 29.87 2.0 78 in Weight Citriè di dias with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 headphone/finctophone combo: 1: SuppSec 40001 SB Type-A Stops signaling rate (harging); 1 HDM12.0; 2; Thunde	Operating system	Windows 11 Pro ^[1]
Chipset Intel® integrated SoC Memory 32 GB DDRS-5200 MHz RAM (2 x 16 GB) Memory Sols 2 S0 DIMM; symptor shad: channel Internal Storage 512 GB PCIe® VMR®* TLC SSD Graphics Integrated Graphics Integrated Graphics Integrated Display 40.6 cm (16*) Giagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16* Giagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16* Giagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16* Giagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16* Giagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Minimum dimensions (W X D X H) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W X D X H) 14.12 x 9.87 x 0.78 in Weight Starting at 3.80 b (Weight varies by configuration and components.) (Weight varies by configuration and components.) Keyboard HP Premium Quite Keyboard - splitt varies by configuration and components.) Keyboard HP Premium Quite Keyboard - splitt vares by configuration and compon	Processor family	13th Generation Intel [®] Core™ i7 processor
Memory 32 GB DDRS-5200 MHz RAM (2 x 16 GB) Memory Slots 2 SDDIMH, Supports dual channel Internal Storage 51 2 GB PL(# NVMe ^m TLC SSD Graphics Integ*ints* X: Graphics Display 40.6 cm (16°) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45%, NTSC Display size (diagonal) 40.6 cm (16°) Display size (diagonal) 40.6 cm (16°) Display size (diagonal) 40.6 cm (16°) Display size (diagonal) 16° Audio Audio by Bang & Olufsen, dual stero 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) 14.12 x 9.87 x 20.98 cm Minimum dimensions (W x D x H) 14.12 x 9.87 x 20.98 cm Weight Starting at 1.72 kg (Weight varies by configuration and components.) Keyboard Weight Starting at 3.88 b (Weight varies by configuration and components.) Revise and the starting at 3.88 b Keyboard HP PH DB Rcamera Ports 1 SuperSpeed US Type-A SGbps signaling rate (Charging): 1 HDML 2.0b; 2 Thunderbolt** 4 with USB4** Type-C° AdGbps signaling rate (USE Power de	Processor	Intel® Core™ i7-1370P (up to 5.2 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads)
Memory Slots 2 SODIMM; supports dual channel Internal Storage 51 2 GB FLC# NVMe* TLC SSD Graphics Integrated Graphics (Integrated) Intel® his® X: Graphics Display 40.6 cm (1E7) Display size (diagonal) 40.6 cm (1E7) Display size (diagonal) 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Minimum dimensions (W X DX H) 3.87 x 25.09 x 139 cm Minimum dimensions (W X DX H) 3.87 x 25.09 x 139 cm Weight (Vergint varies by configuration and components.) Weight (Vergint varies by configuration and components.) Weight (Vergint varies by configuration and components.) Keyboard HP Premum Quiet Keyboard - spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with mult-touch gesture support. taps enabled as default Gamera SMP HD IR camera Ports 1 SuperSpeed USB Power Dielvery, DisplayPort************************************	Chipset	Intel [®] integrated SoC
Internal Storage 512 GB PCIe [®] NVMe ^{III} TLC SSD Graphics Integrated Graphics Integrated Graphics Of the set of the s	Memory	32 GB DDR5-5200 MHz RAM (2 x 16 GB)
Graphics Integrated Graphics Integrated Display 40.6 cm (16*) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 40.6 cm (16*) Display size (diagonal) 40.6 cm (16*) Display size (diagonal) 40.6 cm (16*) Display size (diagonal) 16* Audio by Bamg & 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 Dx H) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x Dx H) 14.12 x 9.87 x 0.78 in Weight Starting at 7.2 kg (Weight varies by configuration and components.) Keyboard Weight (Starting at 7.2 kg (Weight varies by configuration and components.) Keyboard Ports 15 upers/speed USS Type-A SGbps signaling rate (Large)fs71 Ports 1 Supers/speed USS Type-A SGbps signaling rate (Large)fs71 Ports 1 headphone/microphone combor 1 SuperSpeed USB Type-A SGbps signaling rate (USB Type-A SGbps signaling rate (USB Type-A SGbps signaling rate) Power 11 Net are: 4 WH-16 RE XE-11 (Xa2) and Buetooth* 53 wireless card (Supoporting gigabit data rate)	Memory Slots	2 SODIMM; supports dual channel
Graphics (Integrated) Intel® Inis® X: Graphics Display 40.6 cm (16°) diagonal, WUK6A (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16° diagonal, WUK6A (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 16° Audio Audio by Bang & Olurisen, 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) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x D x H) 4.12 x 9.87 x 0.78 in Weight Starting at 1.72 kg (Weight (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard – spill-tresistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-tooch gesture support, tape enabled as default Camera 5M HD IR camera Ports 1 SuperSpeed USB Type A 50bps signaling rate (LSB Power Dallowr) 1.5 uperSpeed USB Type A 50bps signaling rate Ports 1 headphone/microphone combo: 1 SuperSpeed USB Type A 50bps signaling rate Wireless Intel® WI-Fi & AV211 (2x2) and Bluetooth® 1.3 wireless card Supporting gigabit datarate) Power 11 Net & Wirel & AD power adapter Battery type <t< th=""><th>Internal Storage</th><th>512 GB PCIe[®] NVMe™ TLC SSD</th></t<>	Internal Storage	512 GB PCIe [®] NVMe™ TLC SSD
Display 40.6 cm (16 ⁺) diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC Display size (diagonal) 40.6 cm (16 ⁺) Audio Audio by Bang & Diufsen, 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) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W X D X H) 51.87 tars 25.09 x 1.99 cm Weight Starting at 1.72 kg (Weight array at 3.88 lb (Weight array at 3.88 lb	Graphics	Integrated
Display 16* diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45%, NTSC ^[11,33,37] Display size (diagonal) 40.5 cm (16°) Display size (diagonal) 16* Audio Audio by Bang & Diufsen, 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) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x D x H) 11.12 x 3.87 x 0.78 in Weight Starting at 1.72 kg (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard - spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-louch gesture support, tage enabled as default Camera SPM Pb IR camera Ports 1 SuperSped USB Type-A 56bps 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 Chargel ^[57] Ports 1 SuperSped USB Type-A 50bps dignality rate (charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C* 40Gbps signaling rate (USP Power Delivery, DisplayPort™ 1.4, HP Sleep and Chargel ^[57] Power 110 W external AC power adapter Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO certified	Graphics (integrated)	Intel® Iris® X ^e Graphics
Display size (diagonal) 40.6 cm (16") Display size (diagonal) 16" Audio Audio by Bong & Olufsen, dual stereo speakers. HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphonejack, HD audio Minimum dimensions (W x D x H) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x D x H) 14.12 x 9.87 x 0.78 in Weight Starting at 1.72 kg (Weight and the components.) Keyboard HP Premium Quiet Keyboard - spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 SuperSpeed USB Type-A SGbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt [™] 4 with USB4 [™] Type-C ^o 9 dottps signaling rate (USP Power Delivery DisplayPort [™] 1.4, HP Sleep and Charge) ^[57] Ports 1 beuperSpeed USB Type-A SGbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt [™] 4 with USB4 [™] Type-C ^o 9 dottps signaling rate (USP Power Delivery DisplayPort [™] 1.4, HP Sleep and Charge) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A SGbps signaling rate Wireless Intel [®] Wi-Fi GE AX211 (2x2) and Bluetont [®] 5.3 wireless card (supporting glapbit data rate) Power 110 W external AC power adapter </th <th>Display</th> <th>40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC</th>	Display	40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC
Display size (diagonal) 40.6 cm (16") Display size (diagonal) 16" Audio Audio by Bong & Olufsen, dual stereo speakers. HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphonejack, HD audio Minimum dimensions (W x D x H) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x D x H) 14.12 x 9.87 x 0.78 in Weight Starting at 1.72 kg (Weight and the components.) Keyboard HP Premium Quiet Keyboard - spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 SuperSpeed USB Type-A SGbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt [™] 4 with USB4 [™] Type-C ^o 9 dottps signaling rate (USP Power Delivery DisplayPort [™] 1.4, HP Sleep and Charge) ^[57] Ports 1 beuperSpeed USB Type-A SGbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt [™] 4 with USB4 [™] Type-C ^o 9 dottps signaling rate (USP Power Delivery DisplayPort [™] 1.4, HP Sleep and Charge) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A SGbps signaling rate Wireless Intel [®] Wi-Fi GE AX211 (2x2) and Bluetont [®] 5.3 wireless card (supporting glapbit data rate) Power 110 W external AC power adapter </th <th>Display</th> <th>16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC^[11,33,37]</th>	Display	16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC ^[11,33,37]
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) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x D x H) 14.12 x 9.87 x 0.78 in Weight Starting at 1.72 kg (Weight varies by configuration and components.) Weight Weight Starting at 3.88 lb (Weight varies by configuration and components.) Keyboard Ports Starting at 3.88 lb Ports 15 uper Speed USB Type - A SEpps signaling rate (charging); 1 HDM 2.0b; 2 Thunderbolt ^m 4 with USB4 ^m Type-C ^e Ports 1 Super Speed USB Type - A SEpps signaling rate (lose Proper A SEpps signaling rate (USB Prover Delivery, DisplayPort ^m 1.4, HP Steep and Charge] ⁽⁵⁷⁾ Ports 1 headphone/microphone combo: 1 SuperSpeed USB Type - A SEpps signaling rate Wireless Intel ⁴ Wi-Fi EE AX211 (2x2) and Bluetooth* 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Henrys Start Certified HP Sleen and recryclable; Outside box and corrugated cushions are 100% sustainabl	Display size (diagonal)	
Number Functions keys for volume up and down, combo microphone/headphone jack, HD audio Minimum dimensions (W x D x H) 35.87 x 25.09 x 1.99 cm Minimum dimensions (W x D x H) 14.12 x 9.87 x 0.78 in Weight Starting at 1.72 kg (Weight varies by configuration and components.) Weight Starting at 3.88 lb (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 SuperSpeed USB Type-A SGbps signaling rate (charging): 1 HDMI 2.0b; 2 Thunderbolt [™] 4 with USB4 [™] Type-C [®] 40Gbps signaling rate (USB Power Delivery, DisplayPort [™] 1.4, HP Steen and Chargil ^[57] Ports 1 headphone/microphone combo: 1 SuperSpeed USB Type-A SGbps signaling rate Wireless Intel® WI-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting glgabit data rate) Power 110 W external AC power adapter Battery taber HP Long Life 6-cell, 76 Wh Li-Ion polymer Battery taber HP Client Catalog: HP Power Manager: HP Client Management Script Library (download); HP Driver Packs (download); HP Drage Assistrant Eens (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48]	Display size (diagonal)	16"
Minimum dimensions (W x D x H) 14.12 x 9.87 x 0.78 in Weight Starting at 1.72 kg (Weight varies by configuration and components.) Weight Starting at 3.88 lb (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging): 1 HDMI 2.0b; 2 Thunderbolt ¹⁷⁴ 4 with USB4 ¹⁷⁴ Type-C ⁶ 40Gbps signaling rate (USB Power Delivery, DisplayPort* 1.4, HP Sleep and Charge) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate Wireless Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth* 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-lon polymer Battery type HP Client Catalog; HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen S (download); HP Atch Assistant (download); HP Driver Packs (download); HP Image Assistant Gen S (download); HP Atch Assistant Gends; HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications Low Haugeen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside bo	Audio	
Weight Starting at 1.72 kg (Weight varies by configuration and components.) Weight Starting at 3.88 lb (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP 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) ^[S71] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate Wireless Intel [®] Wirel 6E AX211 (2x2) and Bluetooth [®] 5.3 wireless card (supporting gigabit data rate) Power 1100 westernal AC power adapter Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Energy star certified ENERGY STAR [®] certified Maagement features (download); HP Power Manager; HP Client Management Script Library (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manage ^(20,41,48) Low Halogen; Buk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outsidebox and corrugated cushions are 100% susta	Minimum dimensions (W x D x H)	35.87 x 25.09 x 1.99 cm
Weight (Weight varies by configuration and components.) Weight Starting at 3.88 lb (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR Camera Ports 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt ^{1m} 4 with USB4 ^{1m} Type-C [®] 40GGbps signaling rate (USB Power Delivery, DisplayPort ^{1m} 1.4, HP Sleep and Chargel ^(ST) Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate Wireless Intel® Wi-Fi GE AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Manager@20.41.48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency: Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Out	Minimum dimensions (W x D x H)	14.12 x 9.87 x 0.78 in
Weight (Weight varies by configuration and components.) Keyboard HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 SuperSpeed USB Type-A SGbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbott [™] 4 with USB4 [™] Type-C [®] 40Gbps signaling rate (USB Power Delivery, DisplayPort [™] 1.4, HP Sleep and Charge] ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A SGbps signaling rate Wireless Intel [®] Wi-Fi GE AX211 (2x2) and Bluetooth [®] 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery type Life Intervery fast charge: approximately 50% in 30 minutes Ecolabels<	Weight	
Pointing device ClickPad Glass with multi-touch gesture support, taps enabled as default Camera SMP HD IR camera Ports 1 SuperSpeed USB Type-A SGbps 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) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate Wireless Intel® Wi-Fi GE AX21 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manage ^[20,41,48] Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recycled plastic Security management HP Sure Rune Gen4; HP Client Scurity Manage Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter ^[24,29,31,32,33,438,40,42,43,44,45] Security management Bing	Weight	
Camera SMP 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) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate Wireless Intel [®] Wi-Fi 6E AX211 (2x2) and Bluetooth [®] 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecclabels TCO Certified Energy star certified ENERGY STAR [®] certified HP Client Catalog: HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gens (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manage ^{120,041,481} Sustainable impact specifications box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Feecurity management 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 ^[24,243,13,23,34,34,04,24,34,445] Bing search for El 11; HP Hotkey Su	Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys
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) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate Wireless Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TC0 Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant GenS (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manage ^[20,41,48] Sustainable impact specifications box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Security management 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 Chis; In Bineon SLB9670; Camera privacy shutter ^[24,23,13,23,34,34,04,24,24,44,45] Software included Bing search for IE 11; HP Horkey Support; HP Noise Cancellation Software; HP Performance Advisor	Pointing device	ClickPad Glass with multi-touch gesture support, taps enabled as default
Ports 406bps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) ^[57] Ports 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 56bps signaling rate Wireless Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TC0 Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manage ^[20,41,48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; doxid do corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Security management 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 ^[24,29,31,32,33,43,40,42,43,44,45] Bing search for IE11; HP Hotkey Support; HP Noise Canceltation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assist	Camera	5MP HD IR camera
Wireless Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Management Script Library (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^(20,41,48) Low Halogen; Bulk packaging available; External power supply 90% efficiency; 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; Outside box and corrugated cushions are 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; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Cushide paper pulp cushion inside Security management HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; Nano Security Lock Slot; HP Image Assistant Gen4, Gen4; HP Client Security Manager Gen7; HP Sure Recoverg Manager; HP Support Assistant; Native Miracast supp	Ports	
Power 110 W external AC power adapter Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TC0 Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic WP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,34,38,40,42,43,44,45] Software included Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microso	Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate
Battery type HP Long Life 6-cell, 76 Wh Li-ion polymer Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Energy star certified ENERGY STAR® certified Management features (download); HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^(20,41,48) Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Security management HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^(24,23,31,32,33,43,840,42,43,44,45) Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP CH ardware Diagnostics UEFI; HP P C Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold	Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Battery recharge time Supports battery fast charge: approximately 50% in 30 minutes Ecolabels TCO Certified Energy star certified ENERGY STAR® certified Management features HP Client Catalog; HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Security management HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,4],38,40,42,4],44,45] Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Power	110 W external AC power adapter
Ecolabels TC0 Certified Energy star certified ENERGY STAR® certified Management features HP Client Catalog; HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic P Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,34,38,40,42,43,44,45] Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Battery type	HP Long Life 6-cell, 76 Wh Li-ion polymer
Energy star certified ENERGY STAR® certified Management features HP Client Catalog; HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Security management HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,34,38,40,42,43,44,45] Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes
Management features HP Client Catalog; HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Fecurity management HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BlOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,34,38,40,42,43,44,45] Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Ecolabels	TCO Certified
Management features (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[20,41,48] Sustainable impact specifications Low Halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,34,38,40,42,43,44,45] Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Energy star certified	ENERGY STAR [®] certified
Sustainable impact specifications box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic Results HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; 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 ^[24,29,31,32,33,34,38,40,42,43,44,45] Software included Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Management features	(download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect
Security managementGen6; MS Bitlocker Encryption; 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[24,29,31,32,33,34,38,40,42,43,44,45]Software includedBing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Sustainable impact specifications	box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably
Software includedManager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC HardwareSoftware includedDiagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HPQuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,21,22,23,26,39,46,55]	Security management	Gen6; MS Bitlocker Encryption; 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 (ABA) 197497076707; (ABL) 197497076691	Software included	Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access
	UPC number	(ABA) 197497076707; (ABL) 197497076691

ProductSheet | HP ZBook Firefly 16 inch G10 Mobile Workstation PC Wolf Pro Security Edition (7Z1A7UT)

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

HP recommends Windows 11 Pro for business

ProductSheet | HP ZBook Firefly 16 inch G10 Mobile Workstation PC Wolf Pro Security Edition (7Z1A7UT)

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.

[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.

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

[4] 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.

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

[6] 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.

[7] Requires the myHP application and Windows OS.

[8] AI Noise Suppression is delivered automatically through Windows update or can be downloaded from https://support.hp.com/us-en/drivers. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The AI Noise Suppression setting can be configured through the Application HP Audio Control.

[9] 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.

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] UHD content required to view UHD images.

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

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

[21] Microsoft Office sold separately and requires Internet access for activation.

[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.

[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[™] 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.

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

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

[39] myHP requires Windows OS.

[40] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel[®] Optane[™].

© Copyright 2023 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Core, Optane, Celeron, Pentium, Iris, XMM, and Thunderbolt are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. AMD, Ryzen, Athlon, and Radeon are trademarks of Advanced Micro Devices, Inc. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. NVIDIA and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. USB Type-C[®] and USB-C[®] are registered trademarks of USB Implementers Forum. DisplayPort[™] and the DisplayPort[™] logo are trademarks owned by the Video Electronics Standards Association (VESA[®]) in the United States and other countries. McAfee and McAfee LiveSafe are trademarks or registered trademarks of McAfee LLC in the United States and other countries. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. All other trademarks are the property of their respective owners.

