# ProductSheet HP ZBook Power 15.6 inch G10 A Mobile Workstation PC Wolf Pro Security Edition (8L5E3UT)



# Pro-grade performance within reach.

Upgrade to professional ZBook performance and security at an unbelievably affordable price. Power up your productivity on this durable yet premium device-delivering enhanced collaboration features and pro-grade components to run pro software apps for CAD, 3D concepting, modeling, rendering and more.



HP recommends Windows 11 Pro for business Power through professional workflows

Blaze through 3D workloads with an integrated or discrete GPU, AMD® CPU, and large memory configurations.[2]

## Durable all-aluminum chassis

Designed to pass rigorous military standard testing[5] this PC is built to last with a distinctly premium touch.

## Connect. Communicate. Collaborate

Work and collaborate effectively on the go with long lasting battery, AI Noise Suppression software[7] to block distracting background noises, and a device that's powerful enough to run professional software applications.

# Featuring

## Windows 11

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

## AMD<sup>®</sup> Ryzen<sup>™</sup> processor

Bring your ideas to life quickly and effectively with the latest AMD<sup>®</sup> Ryzen<sup>™</sup> processors.

# 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>[1]</sup>

# Spill-resistant Keyboard

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

## Industry-leading security features

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

Processor family       AMD Ryzen <sup>™</sup> 9 PR0 processor         Processor       AMD Ryzen <sup>™</sup> 9 PR0 794015 (up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)         Memory       64 GB DDR5-5600 MHz RAM (z x 22 GB)         Memory Slots       2 SODIMN: supports dual channel         Internal Storage       118 PCI2* Gen4 NUMe <sup>™</sup> ILC SSD         Graphics       Integrated         Graphics (Integrated)       AMD Radeon <sup>™</sup> Graphics         Display       39.6 cm (15.6°) diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB         Display izse (diagonal)       15.6° diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB/21/23/241         Display size (diagonal)       15.6° diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB/21/23/241         Display size (diagonal)       15.6° diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB/21/23/241         Minimum dimensions (W x D xH)       35.84 x 23.39 x 2.32 cm         Minimum dimensions (W x D xH)       35.84 x 23.39 x 2.32 cm         Minimum dimensions (W x D xH)       14.15 x 9.21 x 0.9 in         Weight       Starting at 4.43 lb         (Weight varies by configuration and components.)         Weight       Starting at 4.43 lb         (Weight varies by configuration and components.)         Keyboard       HP Premium Reyboard - spill-resistant, full-size, backtit keyboard	Operating system	Windows 11 Pro <sup>[1,2]</sup>	
Memory         64 GB DDR5-5600 MH2 RAM (2 x 32 GB)           Memory Slots         2 SODIMK: supports dual channel           Internal Storage         1 TB PCIe* Gen4 NVMe** TLC SSD           Graphics         Integrated           Opplay         39.6 cm (15.6*) diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB           Display         39.6 cm (15.6*)           Display size (diagonal)         39.6 cm (15.6*)           Display size (diagonal)         15.6*           Minimum dimensions (W x D x H)         35.4 cm (15.6*)           Weight         15.4*           Weight         14.15 x 9.2 and to all stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/hadphone/jack, HD audio           Weight         13.5 x 2.3 g x 2.3 g cm           Minimum dimensions (W x D x H)         35.44 x 2.3 g x 2.2 g cm           Wininw dimensions (W x D x H)         35.44 x 2.3 g x 2.3 g x 2.4 g cm           Weight         Starting at 2 kg           Weight         Starting at 2 kg by configuration and components.)           Weight         Starting at 4.3 tb           Onting device         Clickpad with multi-touch gesture support, taps enabled as default           Camera         SHP IR Camera           Ports         1 Thunderbolt** 4 with USB Type-4 SGbps signaling rate (15B Power Delivery,	Processor family	AMD Ryzen™ 9 PRO processor	
Memory Slots       2 SODIMM; supports dual channel         Internal Storage       11 BPCIe* Gen4 NVMe** TLC SSD         Graphics       Integrated         Graphics       Integrated         Graphics (integrated)       AND Radeom* Graphics (Storagetaded)         Display       39.6 cm (15.6*) diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB         Display size (diagonal)       39.6 cm (15.6*)         Display size (diagonal)       15.6*         Audio       ml stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       14.15 x 9.21 x 0.9 in         Weight       Starting at 2 kg (Weight wrises by configuration and components.)         Weight       Starting at 2 kg         (Weight wrises by configuration and components.)       Keyboard         Ports       1 R1-45; 1 Super Speed USB Type-4 SGbps signaling rate: 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt** 4 with USB Type-4 SGbps signaling rate: 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt** 4 with USB Type-4 SGbps signaling rate: 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt** 4 with USB Type-4 SGbps signaling rate: 1 HDMI 2.1; 1 nano security lock slot	Processor	AMD Ryzen™ 9 PRO 7940HS (up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)	
Internal Storage       1 TB PCIe® Gen4 NVMe™ TLC SSD         Graphics       Integrated         Graphics (integrated)       AMD Radeon™ Graphics         Display       39.6 cm (15.6°) diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB         Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       15.6°         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.39 cm         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       35.94 x 23.10 x 9.10         Weight       Starting at 2 kg         (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Ports       1 RU+31 SuperSpeed USB Type-4 SGbps signaling rate(1 BP over Daivery, DisplayPort™ 1.4); 2 USB Type-A SGbps signaling rate(1 Classignal); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm	Memory	64 GB DDR5-5600 MHz RAM (2 x 32 GB)	
Graphics       Integrated         Graphics (Integrated)       AMD Radeon <sup>™</sup> Graphics         Display       39.6 cm (15.6°) diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB <sup>[21,23,24]</sup> Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       15.6°         Audio       MP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x D x H)       35.9 k 2.23 y 8.2 as (2.9 cm)         Minimum dimensions (W x D x H)       14.15 x 9.21 x 0.9 in         Weight       Starting at 2.kg (Weight varies by configuration and components.)         Keyboard       HP Prenium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1.7.45; 1 S uper Speed USB Type - A 5Gbps signaling rate (USB Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbps signaling rate (USB Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbps signaling rate (1.6 Chickpa signaling rate (1.5 B Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbps signaling rate (1.5 B Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbps signaling rate (1.5 B Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbps signaling rate (1.5 B Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbps signaling rate (1.5 B Power Delivery, DisplayPort) <sup>™</sup> 1.4); 2 USB Type - A 5Gbp	Memory Slots	2 SODIMM; supports dual channel	
Graphics (Integrated)       AMD Radeon™ Graphics         Display       39.6 cm (15.6°) diagonal, QHD (2560x 1440), IPS, anti-glare, 300 nits, 100% sRGB         Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       15.6°         Audio       HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x Dx H)       35.94 x23.39 x2.29 cm         Minimum dimensions (W x Dx H)       14.15 x9.21 x0.9 in         Weight       Starting at 2kg (Weight varies by configuration and components.)         Kyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP iR Camera         Ports       1 Thunderbolt™ 4 with USB Type-C* 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A SGbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ516 (2x2) and Bluetooth* 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Ba	Internal Storage	1 TB PCIe <sup>®</sup> Gen4 NVMe™ TLC SSD	
Display       39.6 cm (15.6*) diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB         Display       15.6* diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB(21.23.24)         Display size (diagonal)       39.6 cm (15.6*)         Display size (diagonal)       15.6*         Audio       HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x Dx H)       14.15 x 9.21 x 0.9 in         Weight       Starting at 2 kg (Weight varies by configuration and components.)         Weight       Starting at 2 kg (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP iR Camera         Ports       1 R J-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 R J-45; 1 SuperSpeed USB Type-C * 40Gbps signaling rate; USB Power On Authentication; HP Secure 200; 1 Auging; 1 headphone/microphone combo; 1 power connector         Package dimensions (W x X X H)       552 x 69 x 345 mm         Wireless       MediaTeK wii-Fi 6E R2616 (2x2) and Bluetooth* 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> <tr< th=""><th>Graphics</th><th>Integrated</th></tr<>	Graphics	Integrated	
Display       15.6° diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB[21,23,24]         Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       15.6°         Audio       HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x D XH)       35.94 x 23.39 x 2.39	Graphics (integrated)	AMD Radeon™ Graphics	
Display size (diagonal)       39.6 cm (15.6°)         Display size (diagonal)       15.6°         Audio       HP Audio, dual stere ospeakers, dual aray digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Weight       Starting at 2 kg (Weight or arise by configuration and components.)         Weight       Starting at 4.43 lb (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 Thunderbolt** 4 with USB Type-4 G406ps signaling rate (USB Power Delivery, DisplayPort** 1.4); 2 USB Type-A SGbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi E EZ 616 (2x2) and Bluetooth* 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 33 wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR* certified         Su	Display	39.6 cm (15.6") diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB	
Display size (diagonal)       15.6*         Audio       HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       14.15 x 9.21 x 0.9 in         Weight       Starting at 2 kg (Weight Varies by configuration and components.)         Weight       Starting at 4.43 lb (Weight Varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 RJ-45; 1 SuperSpeed USB Type-A SGbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 RI-45; 1 SuperSpeed USB Type-C* 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A SGbps signaling rate (Lickparigh); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D X H)       552 x 69 x 345 nm         Wireless       MediaTek Wi-Fi E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cetl, 83 Wh Li-ion polymer         Ecolabels       TC0 Certified         Energy star certified       ENERG	Display	15.6" diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB <sup>[21,23,24]</sup>	
Audio       HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo         Minimum dimensions (W x D x H)       35.94 x 23.39 x 2.29 cm         Minimum dimensions (W x D x H)       14.15 x 9.21 x 0.9 in         Weight       Starting at 2 kg         (Weight varies by configuration and components.)         Weight       Starting at 4.31 b         (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 R1-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt <sup>TM</sup> 4 with USB Type-C <sup>e</sup> 40Gbps signaling rate; 1HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt <sup>TM</sup> 4 with USB Type-C <sup>e</sup> 40Gbps signaling rate; 1HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt <sup>TM</sup> 4 with USB Type-C <sup>e</sup> 40Gbps signaling rate; 1HDMI 2.1; 1 nano security lock slot         Ports       1 Starting at 26 (5 (2x2) and Bluetooth <sup>6</sup> 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       CO C ertified </th <th>Display size (diagonal)</th> <th colspan="2"></th>	Display size (diagonal)		
Audio         microphone/headphone jack, HD audio           Minimum dimensions (W x D x H)         35.94 x 23.39 x 2.29 cm           Minimum dimensions (W x D x H)         14.15 x 9.21 x 0.9 in           Weight         Starting at 2 kg (Weight varies by configuration and components.)           Weight         Starting at 4.43 ib (Weight varies by configuration and components.)           Keyboard         HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad           Pointing device         Clickpad with multi-touch gesture support, taps enabled as default           Camera         SMP IR Camera           Ports         1 RI-45; 1 SuperSpeed USB Type-4 SGbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot           Ports         1 Thunderbolt <sup>m4</sup> 4 with USB Type-4 Gbdps signaling rate (USB Power Delivery, DisplayPort <sup>m</sup> 1.4); 2 USB Type-A SGbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector           Package dimensions (W x D x H)         S52 x 69 x 345 mm           Wireless         MediaTek Wi-Fri GE RZ 616 (2x2) and Bluetooth <sup>m</sup> 5.3 wireless card           Power         120 W Slim Smart external AC power adapter <sup>(20)</sup> Battery type         HP Long Life 6-cell, 83 Wh Li-ion polymer           Ecolabels         TC0 Certified           Energy star certified         LW K Star 7 eactified           Sustainable impact specifications         Low Hangger     <	Display size (diagonal)	15.6"	
Minimum dimensions (W × D × H)       14.15 × 9.21 × 0.9 in         Weight       Starting at 2 kg (Weight varies by configuration and components.)         Weight       Starting at 4.3 b (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate; 10 Power Delivery, DisplayPort™ 1.4); 2 USB Type-A SGbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi GE RZG16 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Accees Manager; HP Power On Authentication; HP Sure Clows Slot; HP Client Security Manage encir; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,34,74,95,0,53]</sup> <	Audio		
Weight       Starting at 2 kg (Weight varies by configuration and components.)         Weight       Starting at 4.43 lb (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 Thunderbolt™ 4 with USB Type-C* 40Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt™ 4 with USB Type-C* 40Gbps signaling rate; 10HDI 2.1; 1 nano security lock slot         Ports       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi & E RZ616 (2x2) and Bluetooth* 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENRGY STAR* certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security, Pre-boot authentication; HP Security Lock Slot; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Sure Cover Gen3; HP BIOSphere Gen5; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Sure Cover Gen3; HP BIOSphere Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30</sup>	Minimum dimensions (W x D x H)	35.94 x 23.39 x 2.29 cm	
Weight       (Weight varies by configuration and components.)         Weight       Starting at 4.43 lb (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbott <sup>™</sup> 4 with USB Type-C* 40Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       56bps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth <sup>®</sup> 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR* certified         Sustalnable impact specifications       Low Halogen         Security management       Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Start Gen6; HP Sure Click, Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Start Gen6; HP Tamper Lock, Nano Security Lock Slot, HP Client Security Manager; Gen7; Trusted Platfo	Minimum dimensions (W x D x H)	14.15 x 9.21 x 0.9 in	
Weight       (Weight varies by configuration and components.)         Keyboard       HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad         Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 RJ-45; 1 SuperSpeed USB Type-A 56bps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt <sup>™</sup> 4 with USB Type-C <sup>®</sup> 406bps signaling rate (USB Power Delivery, DisplayPort <sup>™</sup> 1.4); 2 USB Type-A 56bps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth <sup>®</sup> 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR <sup>®</sup> certified         Sustainable impact specifications       Low Halogen         Defender; HP Secure Erase; HP Manageability Integration KII; HP Sure Sense; HP Secure Platform; HP Sure Recover         Gen different       Sure Recover         Gen different       Sure Gen S; HP BiOSphere Gen G; HP Client Security Nanager; HP Secure Platform; HP Sure Recover         Gender type       Genereset the Secon the Client Security Nanager Gen?; Trusted	Weight		
Pointing device       Clickpad with multi-touch gesture support, taps enabled as default         Camera       SMP IR Camera         Ports       1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       S52 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TC0 Certified         Energy star certified       ENRGY STAR® certified         Sustainable impact specifications       Low Halogen         Security management       Defender; HP Secure Erase; HP Manageability Integration XI;; HP Sure Sense; HP Secure PLafform; HP Sure Recover Gen3; HP BloSphere Gen6; HP Dieurity Suite Gen6; HP Sure Start Gen6; HP Sure Click; Windows Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Bing search for IE 11; HP Hotkey Support; HP Perform Module TPM 2.0; Windows Secured Recovery; HP Admin; HP Privacy Settings; HP CH ardware Diagnostics; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Remeteg Graphics Software; HP Admin; HP Privacy Settings; HP CH ard	Weight		
Camera       5MP IR Camera         Ports       1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate; (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TC0 Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security, Pre-boot authentication; HP Sure Click, Windows         Defender; HP Secure Erse; HP Manageability Integration Kit; HP Sure Stars; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Sure Click, Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold sepa	Keyboard	HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad	
Ports       1 RJ-45; 1 SuperSpeed USB Type-A 56bps signaling rate; 1 HDMI 2.1; 1 nano security lock slot         Ports       1 Thunderbolt™ 4 with USB Type-C® 406bps signaling rate; (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 56bps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TC0 Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Security management       Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardwar	Pointing device	Clickpad with multi-touch gesture support, taps enabled as default	
Ports       1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A SGbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BloSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Camera	5MP IR Camera	
Ports       5Gbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector         Package dimensions (W x D x H)       552 x 69 x 345 mm         Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TC0 Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Ports	1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot	
Wireless       MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card         Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BlOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Ports		
Power       120 W Slim Smart external AC power adapter <sup>[20]</sup> Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TCO Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows         Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Package dimensions (W x D x H)	552 x 69 x 345 mm	
Battery type       HP Long Life 6-cell, 83 Wh Li-ion polymer         Ecolabels       TC0 Certified         Energy star certified       ENERGY STAR® certified         Sustainable impact specifications       Low Halogen         Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software included       Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Wireless	MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card	
EcolabelsTC0 CertifiedEnergy star certifiedENERGY STAR® certifiedSustainable impact specificationsLow HalogenAbsolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software includedBing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Power	120 W Slim Smart external AC power adapter <sup>[20]</sup>	
Energy star certifiedENERGY STAR® certifiedSustainable impact specificationsLow HalogenSecurity managementAbsolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software includedBing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Battery type	HP Long Life 6-cell, 83 Wh Li-ion polymer	
Sustainable impact specificationsLow HalogenSecurity managementAbsolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software includedBing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Ecolabels	TCO Certified	
Security managementAbsolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software includedBing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Energy star certified	ENERGY STAR® certified	
Security managementIntegrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup> Software includedBing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,55,36,43]</sup>	Sustainable impact specifications	Low Halogen	
Software included         Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud           Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office         (sold separately and Internet access required for activation); HP Presence <sup>[28,29,33,35,36,43]</sup>	Security management	Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured	
	Software included	Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office	
	UPC number		

ProductSheet | HP ZBook Power 15.6 inch G10 A Mobile Workstation PC Wolf Pro Security Edition (8L5E3UT)

# Top Recommended Displays, Accessories and Services

Z Displays	
HP Z34c G3 WQHD Curved Display	30A19AA
HP Z32k G3 4K USB-C Display	50U19AA
HP Z24m G3 QHD Conferencing Display	4Q8N9AA

# **Docking Stations**

HP Thunderbolt Dock 280W G4 w/Combo Cable

4JOG4AA

ProductSheet | HP ZBook Power 15.6 inch G10 A Mobile Workstation PC Wolf Pro Security Edition (8L5E3UT)

## **Messaging Footnotes**

[1] 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.

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

[5] Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[7] 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.

#### **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.

[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. AMD's numbering is not a measurement of clock speed.

[19] HP Sure Click requires Windows 10. See https://bit.ly/2PrLT6A\_SureClick for complete details.

[20] 150 W power adapter is only available with discrete graphic options.

[21] QHD content required to view QHD images.

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

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

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

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

[29] HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at: https://www8.hp.com/us/en/workstations/performance-advisor.html .

[30] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .

[31] Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/computrace-agreement . Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

[33] Select HP Products are enhanced with HP Presence. Features vary by platform. HP conferencing features require Windows and the latest myHP app, available over the air or for download via sofpaq on the HP Support website. Planned availability in spring 2023.

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

[35] HP Support Assistant Internet access required.

[36] HP Connection Optimizer requires Windows 10.

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

[43] HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements . Not applicable in China.

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

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

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