### ProductSheet

# HP ZBook Studio 16 inch G10 Mobile Workstation PC (9H018PT)



### Powerfully immersive. Perfectly sized

Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real time or visualize data—from anywhere.

## HP recommends Windows 11 Pro for business Pro-grade performance for your biggest projects

Push your 3D workflows further with an Intel® CPU,[1] integrated or discrete graphics[2] and upgraded memory.

### See more of your content with less scrolling

Bring projects to life on a brilliant display and 16:10 aspect ratio so you can see more vertical content.

### Create and collaborate on the go

Work effectively on a light laptop with a long-lasting battery and AI Noise Suppression software. [5]

### **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. [1]

### HPZ 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. [3]

#### **HP Fast Charge**

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes. [4]

#### 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.

# **Specifications**

rocessor family 13th Generation Intel® Core™ 17 processor Inte® Core™ 17th "1-17300H lay 5.0 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads) Inte® Core™ 17th "1-17300H lay 5.0 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads) Intel® Core™ 17th "Processor technology Intel® 17th "Processor technology In	Operating system	Windows 11 Dro	
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interescor technology  Intel® Core™ 17 with vPro™ Technology  semony  32 GB DDRS-5600 MHz RAM (2 x 16 GB)  Bemony Slots  2 SDDMH; supports dual channel  Internal Storage  1 TB PCIe® Gen 4 NVMe™TLC SSD  emony card device  1 micros D 7.1 media card reader  raphics  Discrete  raphics (discrete)  NVIDIA RTX™ 3000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated)  Integrated  Integ			
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raphics Discrete  raphics (discrete) NVIDIA RTX*** 3000 Ada Generation Laptop GPU (8 G8 GDDR6 dedicated)  raphics (integrated) Integrated  raphics (integrated) Integrated  lote** Integrated (16**) diagonal, WUXSA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRG8 (15.16.27.28)  isplay 40.6 cm (16**) diagonal, WUXSA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRG8 (15.16.27.28)  isplay size (diagonal) 40.6 cm (16**) diagonal, WUXSA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRG8 (15.16.27.28)  isplay size (diagonal) 16**  Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array diagonal wide digital microphones, functions keys for volume up and down, combo microphone/headphone/lack, HD audio with 200Hz Bass Roll off  Inimum dimensions (W x D x M) 35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.76 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.75 in (non-touch); 14.0 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.0 x 9.54 x 0.72 in (touch)  Inimum	·	1 TB PCIe® Gen4 NVMe™ TLC SSD	
Traphics (discrete)  NVIDIARTX™ 3000 Ada Generation Laptop GPU (8 GB GDDRG dedicated)  Traphics  Integrated  Integrated  Integrated  Integrated  Integrated  Integrated  Adv. 6 cm (16°) diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB  Isplay  40.6 cm (16°) diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB (15.16.27.29)  Isplay size (diagonal)  16°  Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array digital microphones, functions keps for volume up and down, combo microphone/headphone jack, HD audio with 2004/E Bass RBIO Biff  Inimum dimensions (W X D XH)  35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)  Inimum dimensions (W X D XH)  40.2 x 9.54 x 0.76 in (non-touch); 35.6 x 24.5 x 1.8 cm (touch)  Inimum dimensions (W X D XH)  Isplay training at 1.73 kg  (Weight varies by configuration and components.)  Veight  Starting at 3.13 sl b.  (Weight varies by configuration and components.)  Veight  (Weight varies by configuration and components.)  Isplay Speed US Pyren A 500 by Signaling rate (LickPad Glass with multi-touch gesture support, taps enabled as default  amera  720 pHD IR camera  720 pHD IR camera  720 pHD IR camera  710 prover connector; 1 headphone/microphone combo; 2 Thunderbolt** 4 with USB4** Type-C** 40Gbps signaling rate (USB Pwoer Delivery, DisplayPort** 1.4, IPS Sleep and Chargoli** 2  orts  1 super Speed USB Type-A 5Gbps signaling rate (charging); 1 Super Speed USB Type-C** 10Gbps signaling rate (USB Pwoer Delivery, DisplayPort** 1.4, IPS Sleep and Chargoli** 2  orts  1 super Speed USB Type-A 5Gbps signaling rate (charging); 1 Super Speed USB Type-C** 10Gbps signaling rate (USB Pwoer Delivery, DisplayPort** 1.4, IPS Sleep and Chargoli** 2  orts  1 super Speed USB Type-A 5Gbps signaling rate (charging); 1 Super Speed USB Type-C** 10Gbps signaling rate (USB Pwoer Delivery, DisplayPort** 1.4, IPS Sleep and Chargoli** 2  orts  1 super Speed USB Type-A 5Gbps signalin		1 microSD 7.1 media card reader	
Integrated	Graphics	Discrete	
Intel® Iris® X® Graphics  Intel® Iris® X® Graphics  Isplay  40.6 cm (16°) diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB  Isplay 16° diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB  Isplay size (diagonal)  40.6 cm (16°)  Isplay size (diagonal)  Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 200Hz Bass Roll off  Ilnimum dimensions (W x D x H)  Is 5.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)  Inimum dimensions (W x D x H)  Is 5.6 x 24.2 x 1.9 cm (non-touch); 14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H)  Is 6.6 x 24.2 x 1.9 cm (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Veight  Veight  Starting at 1.73 kg  (Weight varies by configuration and components.)  Veyboard  HP Premium Quite Keyboard — spill-resistant, full-size keyboard with drain and Durakeys  Ointing device  ClickPad Glass with multi-touch gesture support, taps enabled as default  mera  720 HD IR camera  720 HD IR camera  720 HD IR camera  1 power connector: 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge[12]  orts  1 Super Speed USB Type-C® Jobps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  Intel®s  Intel®		NVIDIA RTX™ 3000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated)	
Splay   40.6 cm (16*) diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB	Graphics	Integrated	
Isplay   16* diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB (15.16.27.29)	Graphics (integrated)	Intel® Iris® Xe Graphics	
isplay size (diagonal)   16"   Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 200Hz Bass Roll off   Inimum dimensions (W x D x H)   3.6, x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)   Inimum dimensions (W x D x H)   14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   Inimum dimensions (W x D x H)   14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   Inimum dimensions (W x D x H)   14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   Inimum dimensions (W x D x H)	Display		
Isplay size (diagonal)   16"   Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 200Hz Bass Roll off   14.02 x 9.54 x 2.19 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.75 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)   14.02 x 0.	Display	16" diagonal, WUXGA (1920 x 1200), IPS, narrow bezel, anti-glare, 400 nits, 100% sRGB <sup>[15,16,27,29]</sup>	
Audio by Bang & Olufsen, Quad-speaker audio (2 tweeters & 2 Quad woofers), 2 Top Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 20Hz Bass Roll off  Ilnimum dimensions (W x D x H) 35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  / Feight	Display size (diagonal)	40.6 cm (16")	
digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 20Hz Bass Roll off  Inimum dimensions (W x D x H) 3.5.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 14.02 x 9.54 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (non-touch); 14.02 x 9.54 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15.02 x 0.75 in (touch)  Inimum dimensions (W x D x H) 15	Display size (diagonal)	16"	
Inimum dimensions (W x D x H)  14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)  Starting at 1.73 kg (Weight varies by configuration and components.)  Areight  Starting at 3.81 lb (Weight varies by configuration and components.)  Areight  Starting at 3.81 lb (Weight varies by configuration and components.)  Peyboard  HP Premium Quiet Keyboard – spill-resistant, full-size keyboard with drain and DuraKeys  ointing device  ClickPad Glass with multi-touch gesture support, taps enabled as default  amera  720 pt DIR camera  1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)  orts  1 super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  ackage dimensions (W x D x H)  552 x 69 x 345 mm  lifeless  Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  ower  200 W external AC power adapter (48)  attery type  HP Long Life 6-cell, 86 Wh Li-ion polymer  attery recharge time  Supports battery fast charge: approximately 50% in 30 minutes  colabels  TCO Certified  lanagement features  HP Power Manager (13)  ustainable impact specifications  Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record Security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy (8x)63-34 53.73 83.39 43.491  Bing search for IET1; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP P Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; H	Audio	digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with	
Starting at 1.73 kg   (Weight Varies by configuration and components.)	Minimum dimensions (W x D x H)	35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch)	
All   Starting at 3.811 b   Starting at 3.811 b   (Weight varies by configuration and components.)	Minimum dimensions (W x D x H)	14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch)	
eyboard HP Premium Quiet Keyboard – spill-resistant, full-size keyboard with drain and DuraKeys  clickPad Glass with multi-touch gesture support, taps enabled as default  amera 720p HD IR camera  810p Camera  820p HD Camera  820	Weight		
ointing device ClickPad Glass with multi-touch gesture support, taps enabled as default  amera 720p HD IR camera 1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>[12]</sup> orts 1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  ackage dimensions (W x D x H) 552 x 69 x 345 mm  lireless Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  ower 200 W external AC power adapter <sup>[48]</sup> attery type HP Long Life 6-cell, 86 Wh Li-ion polymer  attery type Attery recharge time Supports battery fast charge: approximately 50% in 30 minutes  colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  were supports battery fast charge: approximately 50% in 30 minutes  colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  were supports battery fast charge: approximately 50% in 30 minutes  colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  Supports battery fast charge: approximately 50% in 30 minutes  colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  BNB colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  Supports battery fast charge: approximately 50% in 30 minutes  colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  BNB colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  Support battery fast charge: approximately 50% in 30 minutes  Colabels TCO Certified Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  BN	Weight		
amera 720p HD IR camera 1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>[12]</sup> orts 1 Super Speed USB Type-A SGbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) sackage dimensions (W x D x H) 552 x 69 x 345 mm litreless Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) ower 200 W external AC power adapter [48] attery type HP Long Life 6-cell, 86 Wh Li-ion polymer sattery type Supports battery fast charge: approximately 50% in 30 minutes colabels TCO Certified Inagement features HP Power Manager [13] ustainable impact specifications Low Halogen Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>(8,34,35,37,38,39,43,49)</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Setting; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence P2:1.25,28,30,31,33,51,52]	Keyboard	HP Premium Quiet Keyboard — spill-resistant, full-size keyboard with drain and DuraKeys	
orts  1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)[12]  orts  1 Super Speed USB Type-A SGbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  sackage dimensions (W x D x H)  552 x 69 x 345 mm  //ireless  Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  ower  200 W external AC power adapter [48]  attery type  HP Long Life 6-cell, 86 Wh Ll-ion polymer  attery recharge time  Supports battery fast charge: approximately 50% in 30 minutes  colabels  TCO Certified  Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  were attery recharge time  Supports battery fast charge: approximately 50% in 30 minutes  colabels  TCO Certified  Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  When the colaber of the colabe	Pointing device	ClickPad Glass with multi-touch gesture support, taps enabled as default	
rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>[12]</sup> 1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  3 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  5 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  5 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  5 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  5 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)  5 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery LAP)  5 Exper Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort Manager Speed USB Type-C® 10Gbps signaling rate (charging); 1 SuperSpeed USB signaling rate (charging); 1 SuperSpeed USB signaling rate (charging); 1 SuperSpeed USB signal Speed USB signal Speed USB signal Speed USB signal Speed USB signal Spee	Camera	720p HD IR camera	
ackage dimensions (W x D x H)  552 x 69 x 345 mm  Vireless  Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  ower  200 W external AC power adapter [48]  attery type  HP Long Life 6-cell, 86 Wh Li-ion polymer  attery recharge time  Supports battery fast charge: approximately 50% in 30 minutes  colabels  TCO Certified  ENERGY STAR® certified  lanagement features  HP Power Manager [13]  ustainable impact specifications  Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key (8.34.35.37.38.39.43.49)  Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Pervicacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Pervicacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Pervicacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Pervicacy Settings; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence [27.25.28,30,31,33,51,52]	Ports		
Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)  ower 200 W external AC power adapter [48]  attery type HP Long Life 6-cell, 86 Wh Li-ion polymer  attery recharge time Supports battery fast charge: approximately 50% in 30 minutes  colabels TCO Certified ENERGY STAR® certified  lanagement features HP Power Manager [13]  ustainable impact specifications  Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key [8,34,35,37,38,39,43,49]  Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence [21,25,28,30,31,33,51,52]	Ports	1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB	
attery type	Package dimensions (W x D x H)	552 x 69 x 345 mm	
attery type  attery recharge time  Supports battery fast charge: approximately 50% in 30 minutes  TCO Certified  TCO Certified  ENERGY STAR® certified  Inangement features  HP Power Manager <sup>[13]</sup> Ustainable impact specifications  Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)	
attery recharge time  Colabels  TCO Certified  ENERGY STAR® certified  Inangement features  HP Power Manager <sup>[13]</sup> Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Power	200 W external AC power adapter <sup>[48]</sup>	
TCO Certified ENERGY STAR® certified Ianagement features HP Power Manager <sup>[13]</sup> ustainable impact specifications Low Halogen Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Battery type	HP Long Life 6-cell, 86 Wh Li-ion polymer	
Integration of tware included  ENERGY STAR® certified  HP Power Manager <sup>[13]</sup> Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes	
Lanagement features  Low Halogen  Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Ecolabels	TCO Certified	
Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Energy star certified	ENERGY STAR® certified	
Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Management features	HP Power Manager <sup>[13]</sup>	
Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key <sup>[8,34,35,37,38,39,43,49]</sup> Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Sustainable impact specifications	Low Halogen	
Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP  oftware included  Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super  Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	Security management	Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security	
rctiuniber 19/901548839	Software included	Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[21,25,28,30,31,33,51,52]</sup>	
	UPC number	19/961548839	

# **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	4J0G4AA

#### **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.
- [2] Optional feature that must be configured at purchase.
- [3] 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.
- [4] 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.
- [5] Al Noise Reduction is delivered automatically through Windows update or can be downloaded from https://support.hp.com/us-en/drivers when available. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The DNN Noise Reduction setting can be configured through the Application HP Audio Control.

### **Technical Specifications Footnotes**

- [8] HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use.
- [12] Multi-Function USB-C port works with Discrete Graphics and Intel(r) Iris Xe Graphics. Note: For Nvidia Discreate Gfx, it can support HDMI 2.1 except GPU of QN20-P1 SKU(HDMI2.0 support).
- [13] Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.
- [15] UHD content required to view UHD images.
- [16] HD content required to view HD images.
- [21] 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.
- [25] Data Science Stack is available on select skus only.
- [27] Display options may be limited to specific CPU / GPU Configurations.
- [28] HP Z Light space is an optional feature, requires Windows 10 or higher and must be configured at hardware purchase.
- [29] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- [30] Available on select HP PCs with Windows 10 and higher and Intel processors.
- [31] 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.
- [33] HP Connection Optimizer requires Windows 10.
- [34] HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- [35] 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.
- [37] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
- [38] Security lock for security slot is sold separately.
- [39] HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
- [43] HP Sure Start Gen6 is available on select HP PCs.
- [48] 150W Power Adapter is not available with Nvidia RTX™ Graphics
- [49] HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
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