HP Z4 G4 Workstation

HP's best-selling performance workstation

Perfect for engineering, visualization and Machine Learning, HP's most popular workstation delivers disruptive performance for a wide spectrum of applications. With a choice of Intel® Xeon® or Core™ X processors, and support for dual extreme graphics, you get all you need, nothing more.



*Product image may differ from actual product

HP recommends Windows 11 Pro for business

Feature-rich functionality

 The Z4 is ahead of its time with more standard features than any other single processor HP workstation. With multiple configuration options, you can choose the perfect blend of components that meet your performance requirements.

Visualization powerhouse

 Visualize your project anytime with the power to move seamlessly between 3D CAD, rendering and simulation applications. The Z4 can easily handle tasks that require high frequency processing, multiple cores and high-powered GPUs for an optimized design process.

HP's most secure workstations

Advanced security features come standard on every Z4. Rest assured your device, identity
and data are safe with security software like HP Client Security Suite Gen3² and HP Sure
Start Gen3¹⁰ featuring a self-healing BIOS.

Featuring

- Support your unique user needs with a choice of Windows 10 Pro for Workstations 64 or Linux® operating systems.¹
- Run demanding professional apps with the newest generation Intel® Xeon® processors available with up to 18 cores for powerful performance and productivity.
- Experience disruptive price-performance on multi-threaded applications, or combined workflows such as simulation based design, with Intel® Core™ X-Series processors: the high-performance single-socket processors from Intel®.8
- Get serious about graphics and reach peak productivity with access to a breadth of NVIDIA® and AMD professional graphics from entry to high-end 3D.⁴
- Install pro-grade storage hardware and elevate your storage-bound apps without sacrificing standard PCIe slots.
- The simply stunning design features front and rear handles, so you can easily relocate your system.
- Save space within your office layout with a chassis that is 10% smaller than the previous generation.
- Multiple high-speed network connections are easy and speedy with dual embedded 1GbE LAN ports with Thunderbolt™ 3 technology* for fast data transfers.^{6,9}
- The optional dual front I/O USB 3.1 G2 Type C[™] module lets you transfer data to devices using modern connection technology at higher data rates.⁵
- Optional self-encryption drives thwart outside access so your valuable IP won't fall into the wrong hands.⁴

Warranty

HP Z4 G4 Workstation Specifications Table







*Product image may differ from actual product	
Available Operating Systems	Windows 11 Pro ^{1,21,25} Windows 11 Pro for Workstations ^{1,21,24} Windows 10 Pro ^{1,21,25} Windows 10 Pro for Workstations ^{1,21,24} Ubuntu 20.04 ITS ³³ Red Hat®Enterprise Linux® ³² (Ubuntu 20.04 ITS, 64 bit version, HP Linux-ready, Red Hat®Enterprise Linux® drop-in-box, 1 year entitlement)
Processor family ^{26,30}	htel®Core™X-series processor; htel®Xeon®W processor
Available Processors ^{3,29,34}	htel®Core™i9-10900X (3.7 GHz base frequency, up to 4.7 GHz with Intel®Turbo Boost Technology, 19.25 MB L3 cache, 10 cores); intel®Core™i9-10900X (3.7 GHz base frequency, up to 4.8 GHz with Intel®Turbo Boost Technology, 19.25 MB L3 cache, 12 cores); intel®Core™i9-10940X (3.3 GHz base frequency, up to 4.8 GHz with Intel®Turbo Boost Technology, 24.7 SM BL3 cache, 18 cores); intel®Core™i9-10940X (3.3 GHz base frequency, up to 4.8 GHz with Intel®Turbo Boost Technology, 24.7 SM BL3 cache, 18 cores); intel®Core™i9-10940X (3.3 GHz base frequency, up to 3.9 GHz with Intel®Turbo Boost Technology, 8.25 MB L3 cache, 4 cores); intel®Core & cores); intel®Core & cores; in
Chipset ^{26,27}	htd*C422; htd*X299
Maximum memory	512 GB DDR4-2933 ECC SDRAM (for Intel®Xeon®configurations); 256 GB DDR4-2933 non-ECC SDRAM (for Intel®Core™ X configurations) ⁸ Transfer rates up to 2666 MT/s.
Memoryslots	8 DIMM
Internal storage	up to 300 GB SAS (1 5000 pm) ^{4,23} 500 GB up to 2 TB SATA (7200 pm) ⁴ up to 500 GB SATA SED (7 200 pm) ⁴ 1 TB up to 8 TB 7200 pm SATA Enterprise ⁴ 256 GB up to 2 TB SATA SSC 256 GB up to 2 TB SATA SSC 256 GB up to 2 TB HP Z Turbo Drive PCLe®NVMe™ SSD ⁴ 256 GB up to 2 TB HP Z Turbo Drive PCLe®NVMe™ SSD ⁴ 256 GB up to 2 TB HP Z Turbo Drive PCLe®NVMe™ SSD SSD M.2 ⁴ 256 GB up to 8 TB HP Z Turbo Drive PCLe®NVMe™ SSD SSD M.2 ⁴ 256 GB up to 4 TB HP Z Turbo Drive PCLe®NVMe™ SSD SSD M.2 ⁴ 256 GB up to 4 TB HP Z Turbo Drive PCLe®NVMe™ SSD SSD M.2 ⁴ 256 GB up to 4 TB HP Z Turbo Drive PCLe®NVMe™ SSD SSD M.2 ⁴ 256 GB up to 4 TB HP Z Turbo Drive PCLe®NVMe™ SSD SSD M.2 ⁴
Additional storage	HP SD 4 Media Card Reader (optional)
Optical drive	HP Slim DVD-ROM; HP Slim Blu-ray Writer; HP Slim DVD-Writer ^{5,6}
And the Continu	Entry 3D: NVIDIA®T600 (4 GB GDDR6 dedicated); NVIDIA®T400 (2 GB GDDR6 dedicated); NVIDIA®T400 (4 GB GDDR6 dedicated) Mid-range 3D: NVIDIA®TX™A2000 (12 GB GDDR6 dedicated); NVIDIA®T1000 (8 GB GDDR6 dedicated); NVIDIA®T1000E (8 GB GDDR6 dedicated); AMD Radeon™ Pro WX 3100 Graphics (4 GB GDDR5 dedicated); NVIDIA®T1000 (4 GB GDDR5 dedicated); AMD Radeon™ Pro WX 3100 Graphics (4 GB GDDR5 dedicated); NVIDIA®T1000 (4 GB G
Available Graphics	High-end 3D: NVIDIA RTX™A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (32 GB GDDR6 dedicated); NVIDIA RTX™A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) (8 GB GDDR5 dedicated) Ultra High-end 3D: NVIDIA® Quadro® SYNC II; NVIDIA® RTX™A5000 (24 GB GDDR6 dedicated); NVIDIA® RTX™A6000 (48 GB GDDR6 dedicated))
Available Graphics Expansion slots	High-end 3D: NVIDIA RTX™A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (32 GB GDDR6 dedicated); NVIDIA RTX™A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated)
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Expansion slots Ports and Connectors	High-end 3D: NVDIA RTX™A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (32 GB GDDR6 dedicated); NVDIA RTX™A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) Ultra High-end 3D: NVDIA®Quadro®SYNC I; NVDIA®RTX™A5000 (24 GB GDDR6 dedicated); NVDIA®RTX™A6000 (48 GB GDDR6 dedicated) 19 1 PCle3 x16; 2 M.2 PCle3 x4 Front (Premium version): ; Rea: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel®Core™ X-Series processor configurations only have one RJ45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HP PS/2 Business Slim Keyboard; HP 320K Wired Keyboard; HP USB Business Slim Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard 10, 3 Doonnexion CADMouse; HP
Expansion slots Ports and Connectors Input devices	High-end 3D: NVDIA RTX™A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (32 GB GDDR6 dedicated); NVDIA RTX™A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) Ultra High-end 3D: NVDIA® Quadro® SYNC I; NVDIA® RTX™A5000 (24 GB GDDR6 dedicated); NVDIA® RTX™A6000 (48 GB GDDR6 dedicated) ¹⁹ 1 PCle3 x16; 2 M.2 PCle3 x4 Front (Premium version): Rea: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel® Core™ X-Series processor configurations only have one RJ45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HP PS/2 Business Slim Keyboard; HP 320K Wired Keyboard; HP USB Business Slim Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard ¹⁰ ; 3Dconnexion CADMouse; HP USB Optical Mouse; HP PS/2 Mouse; HP USB Hardened Mouse ¹⁰ ; LAN: httl® 1210-T1 PCle® GbE; intel® B50-T2 dual-port GbE NIC; httl® X710-DA2 dual-port GbE NIC; integrated intel® 1219-LM PCle® GbE; Allied Telesis AT-2911T/2-901 dual-port GbE NIC; httl® 10 GbE SFP + SR transceiver ²⁰ ; WLAN: httl® 10 all Band Wireless-AC 8265
Expansion slots Ports and Connectors Input devices Communications	High-end 3D: NVDIA RTX™A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (32 GB GDDR6 dedicated); NVDIA RTX™A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) Ultra High-end 3D: NVDIA® Quadro® SYNC I; NVDIA® RTX™A5000 (24 GB GDDR6 dedicated); NVDIA® RTX™A6000 (48 GB GDDR6 dedicated) 1 PCIe3 x16; 2 M.2 PCIe3 x4 Front (Premium version): Rear: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel® Core™-X-Series processor configurations only have one RJ45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HP PS/2 Business Slim Keyboard; HP 320K Wired Keyboard; HP USB Business Slim Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard ¹⁰ ; 3Dconnexion CADMouse; HP USB Optical Mouse; HP PS/2 Mouse; HP USB Hardened Mouse ¹⁰ ; LAN: Intel® 10-T1 PCIe® GbE; Intel® BS0-T2 dual-port GbE NIC; Intel® X710-DA2 dual-port GbE NIC; Integrated Intel® 1219-LM PCIe® GbE; Allied Telesis AT-2911T/Z-901 dual-port 1 GbE NIC; Integrated Intel® 1210-AT PCIe® GbE; intel® BS0-T4 dual-port GbE NIC; Intel® 10 GbE SFP+ SR transceiver ²⁰ ; WLAN: Intel® Dual Band Wireless-AC 8265 802.11a/b ½ /n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™;
Expansion slots Ports and Connectors Input devices Communications Drive Bays	High-end 3D: NVDIA RTX™A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (8 GB GDDR6 dedicated); NVDIA®RTX™A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR6 dedicated) 9 1 PCle3 x16; 2 M.2 PCle3 x4 Front (Premium version): ; Rear: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel® Core™-X-Series processor configurations only have one RI45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HPPS/2 Business Slim Keyboard; HP 320K Wired Keyboard; HP USB Business Slim Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard ¹⁰ ; 3D connexion CADMouse; HP USB Optical Mouse; HP PS/2 Mouse; HP USB Hardened Mouse ¹⁰ ; LAN: Intel® 120-T1 PCle® GBE; Intel® BS0-T2 dual-port GBE NIC; Intel® T0-AT PCle® GBE; AILied Telesis AI-2911T/2-901 dual-port GBE NIC; Integrated Intel® 1219-LM PCle® GBE; Allied Telesis AI-2911T/2-901 dual-port GBE NIC; Integrated Intel® 200-AT PCle® GBE; Intel® BS0-T4 dual-port GBE NIC; Intel® 10 GBE SFP + SR transceiver ²⁰ ; WLAN: Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-FP® and Bluetooth® 4.2 Combo, non-vPro™; Two 5.25°; Two 2.5° or 3.5° 16
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Expansion slots Ports and Connectors Input devices Communications Drive Bays Software Security management Power Dimensions	High-end 3D: NVDIA RTX™ A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (32 GB GDDR6 dedicated); NVDIA*RTX™ A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) UltraHigh-end 3D: NVDIA® Quadro® SYNC I; NVDIA® RTX™ A5000 (24 GB GDDR6 dedicated); NVDIA® RTX™ A6000 (48 GB GDDR6 dedicated) 1 PCle 3 x16; 2 M.2 PCle 3 x4 Front (Premium version); Rear: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel® Core™ X-Series processor configurations only have one RI45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HP PS/2 Business Slim Keyboard; HP 320K Wired Keyboard; HP USB Business Slim Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard ¹⁰ , 3Dconnexion CADMouse; HP USB Optica Mouse; HP PS/2 Mouse; HP USB Hardened Mouse ¹⁰ ; LAN: htel® 10-11 PCle® GbE; htel® B50-12 dual-port GbE NIC; htel® X710-DA2 dual-port GbE NIC; htegrated intel® 219-LM PCle® GbE; Allied Telesis Af-2911172-901 dual-port 1 GbE NIC; htegrated intel® 210-Af PCle® GbE; Allied Telesis Af-2911172-901 dual-port 1 GbE NIC; htegrated intel® 210-Af PCle® GbE; Allied Telesis Af-2911172-901 dual-port GbE NIC; htel® 150-14 dual-port GbE NIC; htel® 10 GbE SFP + SR transceiver ²⁰ ; WLAN: htel® Dual Band Wireless-AC 8265 802.11 a/b.js/n/ac (2x2) WH-F® and Bluetooth® 4.2 Combo, non-vPro™; Two 5.25°; Two 2.5° or 3.5° 16 ZCentral RemoteBoost; ^{13.31} Full volummencyption; HP Keyed Cable Lock Kit; HP Secure Erase; HP Sure Start Gen3; Kensington Lock Slot; Secure authentication; TPM 2.0 certified; HP Device Access Manager; HP Sure Click; HP BlOSphere Gen3; HP Client Security Manager Gen3; HP MIK/SCCM Gen2; Self Encrypting Drive (SED); HP Wolf Security Pro Edition; ^{7,14,15,17,18,28} 1000 W Internal power supply, up to 90% efficiency, active PFC; 465 W internal power supply, up to 90% efficiency, active PFC; 750 W internal power supply, up to 90% efficiency, active PFC; 2465 W internal power supply, up to 90% efficiency,
Expansion slots Ports and Connectors Input devices Communications Drive Bays Software Security management Power Dimensions Weight	High-end 3D: NVDIA RTX™ A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (8 GB GDDR6 dedicated); NVDIA®RTX™ A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) UltraHigh-end 3D: NVDIA® Quadro®SYNC I; NVDIA®RTX™ A5000 (24 GB GDDR6 dedicated); NVDIA®RTX™ A6000 (48 GB GDDR6 dedicated))¹9 1 PCle3 x16; 2 M.2 PCle3 x4 Front (Premium version); Rear: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel®Core™ X-Series processor configurations only have one RI/45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HPPS/2 Business Slim Keyboard; HP 320K Wired Keyboard; HP USB Business Slim Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard ¹0; 3 Doonnexion CADMouse; HP USB Optical Mouse; HP PS/2 Mouse; HP USB Hardened Mouse¹0; LAN: htel®210-T1 PCle®GbE; htel®B50-T2 dual-port GbE NIC; intel®X710-DA2 dual-port GbE NIC; integrated intel®219-LM PCle®GbE; Allied Telesis AT-2911T/2-901 dual-port IGbE NIC; htel®150-T4 dual-port GbE NIC; intel®10 GbE SFP+ SR transceiver ²0; WLAN: htel®Dual Band Wireless-AC 8265 802.11a/b.fj/n/ac (2x2) WH-F® and Bluetooth®4.2 Combo, non-vPro™; Two 5.25°; Two 2.5° or 3.5° 16 ZCentral RemoteBoost; ¹3.3¹ Full volumeencryption; HP Keyed CableLock Kit; HP SecureErase; HP Sure Start Gen3; Kensington lock slot; Secure authentication; TPM2.0 certified; HP DeviceAccess Manager; HP Sure Click; HP BIOSphereGen3; HP Client-Security Manager Gen3; HP MIK/SCCM Gen2; Self Encrypting Drive (SED); HP Wolf Security Pro Edition; 714.15.17.18.28 1000 W internal power supply, up to 90% efficiency, active PFC; 465 W internal power supply, up to 90% efficiency, active PFC; 750 W internal power supply, up to 90% efficiency, active PFC 22 38.6 x16.9 x44.5 cm Starting at 10.2 kg; (Exact weight depends on configuration.)
Expansion slots Ports and Connectors Input devices Communications Drive Bays Software Security management Power Dimensions Weight Ecolabels	High-end 3D: NVDIA RTX™ A4000 (16 GB GDDR6 dedicated); AMD Radeon™ Pro W6800 (8 GB GDDR6 dedicated); NVDIA® RTX™ A4500 (20 GB GDDR6 dedicated); AMD Radeon™ Pro W6600 (8 GB GDDR5 dedicated) UltraHigh-end 3D: NVDIA® Quadro® SYNC I; NVDIA® RTX™ A5000 (24 GB GDDR6 dedicated); NVDIA® RTX™ A6000 (48 GB GDDR6 dedicated)¹¹9 1 PCle3 x16; 2 M.2 PCle3 x4 Front (Premium version); Rear: 1 audio-in; 1 audio-out; 1 PS/2 keyboard port; 1 PS/2 mouseport; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1; (The Intel® Core™ X-Series processor configurations only have one RI45 port and 5 Rear USB 3.1 Gen 1 ports available. The serial port is optional.) HP PS/2 Business SI im Keyboard; HP 320K Wired Keyboard; HP USB Business SI im Keyboard; USB Premium wired keyboard; USB Smart Card CCID keyboard¹¹0; 3Dconnexion CADMouse; HP USB Optical Mouse; HP PS/2 Mouse; HP USB Hardened Mouse¹¹0; LAN: htel® 210-T1 PCle® GbE; htel® B50-T2 dual-port GbE NIC; intel® X710-DA2 dual-port GbE NIC; integrated intel® 219-LM PCle® GbE; Allied Telesis AT-2911T/2-901 dual-port IGbE NIC; integrated intel® 210-AT PCle® GbE; Allied Telesis A20.11 a/b.gln/ac (2x2) WH-F® and Bluetooth® 4.2 Combo, non-vPro™; Two 5.25°; Two 2.5° or 3.5°¹6 ZCentral Remote Boost; ¹³.3¹¹ Full volume encryption; HP Keyed Cable Lock Kit; HP Secure Erase; HP Sure Start Gen 3; Kensington lock slot; Secure authentication; TPM 2.0 certified; HP Device Access Manager; HP Sure Click; HP BIOSphere Gen 3; HP Client-Security Manager Gen 3; HP MK/SCCM Gen 2; Self Encrypting Drive (SED); HP Wolf Security Pro Edition; ^{7,14,15,17,18,28} 1000 W internal power supply, up to 90% efficiency, active PFC; 465 W internal power supply, up to 90% efficiency, active PFC; 750 W internal power supply, up to 90% efficiency, active PFC 22 38.6 x16.9 x44.5 cm Starting at 10.2 kg; (Exact weight depends on configurations)

 $3\,year (3-3-3) limited warranty and service of fering includes 3\,years of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.$

HP Z4 G4 Workstation

Accessories and services (not included)



Receive 5 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.

Product number: U7944E

HP recommends Windows 11 Pro for business

HP Z4 G4 Workstation

Messaging Footnotes

- Not all features are available in all editions or versions of Windows. Systems may require upgraded and *b* resparately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

 2 HP Client Security Suite features vary by platform.
- 4 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 for naming is not a measurement of higher performance Sold separately or as an optional feature.

*Sold separately or as an optional feature.

6 HP 2 Premium Front I/O 2 XMS 9-A 2 XMS 9-C is sold separately or as an optional feature.

8 Windows 10 Pro is preinstalled. Windows 7 is not supported on the Intel® Core™ X – Series processor configurations. Configurations with the Intel® Core™ X processors support only a subset of the full features of the Z4 G4 system, including, but not limited to: memory type and maximum memory, Ples lot configurations, M.2 storage capacity, GbE interface and manageability features. Please refer to the product QuickSpecs for complete details.

9 Dual embedded 1 GbE LAN ports on Intel® (core™ X processors configurations); single embedded 1 GbE LAN ports on Intel® (core™ X processors configurations).

10 HP Sure Start Gen 3 is available on HP ElteBook, HP Z Book, and HP Z W orkstation products equipped with Intel® 7th generation processors.

Screen image courtesy of Renault Sport Racing. Screen image courtesy of Chris McLennan

Technical Specifications Footnotes

| Notal features are available in all editions or versions of Windows. Systems may require up graded and br separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and analoted. High speed in termet and Microsoft account required. EP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
3 Some httel® vPro® functionality of this technology, such as httel® Active management technology and httel Virtualization technology, requires additional 3rd party software in order to run. Availability of future® virtual appliances® applications for Intel vPro technology is dependent on 3rd party software in order to run. Availability of future® virtual appliances® applications for Intel vPro technology is dependent on 3rd party software in order to run. Availability of future® virtual appliances® applications for Intel vPro technology is dependent on 3rd party software in order to run. Availability of future® virtual appliances® applications for Intel® vPro ® future® virtual appliances® applications for Intel® Prostorage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual spends material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 Double Sided -Version 1.0 Media. No support for DVD RAM.

8 With Blu-Ray, certain disc, digital connection of your displaymay require Hold PC support. HD-DVD movies cannot be played on this Desktop PC.

7 HP Client Security Manager G3 - Requires Windows and Intel® 7th or 8th generation processors.

8 For systems installed with Microsoft Windows 7 (Ultimate, Enterprise or Prolessional), themaximum accessible system memory is 12 GB. Windows 7 is not supported on the Intel® Core XTM - Series processor configurations. For systems installed with Microsoft Windows 7 (Intel® 2011), the maximum acce

11 Based on US EPEAT* ergistration according to EEE 1680.1-2018 EPEAT*. Status varies by country. Visit www.epeat.net for more information.

12 External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not below halogen. (Note: optional low-halogen power cables are available for some countries in Europe)

13 HP Z Central Remote Boost Sender does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without likense purchase through 2022. With non-Z sender devices, purchase of perpetual individual likense per simultaneously executing versions and purchase of ZC entral Remote Boost Schware Support is required. Z Central Remote Boost Sender for non-Z Hardware requires alicense and Windows 10, RHEL/CentOS (7 or 8), or UBUNTU 187 So perating systems. mac/SC (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. Requires network access. The software is available for download at hp. com/ZC entral Remote Boost.

14 HP BIOSphereG3 requires httle*7 th generation processors.

15 HP Secure Erase: For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.

16 Each Day's configurable to 2.5 for 3.5."

17 HP MK/SCCM - HP Manageability integration Kit can be downloaded from http://www.hp.com/go.klientmanagement.

18 HP Keyed Cable Lock Kit is available only as an aftermarket option

18 HP Keyed CableLock Kit is available only as an aftermarket option.
19 NVDN="Quadron="SYNC listed separately 20 10-AT, 21-9 V are available in Intel® xeon® configurations only.
21 In accordance with Microsoft's support policy. HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on http://www.support.ph.com.
22 465 W and 750 W power supply options are only available for Intel® Xeon® configurations.
23 Supported only on Intel® Xeon® configurations intol supported with Intel® CoreXTM processor configurations.
24 Available on Intel® Core™ TX-Series processor configurations only.
25 Available on Intel® Core™ TX-Series processor configuration choices and system feature set availability; refer to the product Quick specs for details.
27 Intel® C422 for Intel® Xeon® configurations, Intel® X299 for Intel® Core™ X configurations.
28 HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer, Google Chrome, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobba Acrobat are installed.
29 Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. Seewww.intel.com/technology/turboboost for more information.

more information.
30 Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel® and AMD 7th generation and forward

and the processors or provide any Windows 8 or Windows 7, in accordance with Microsofts support policy, HP does not support new indows 7 operating system on products configured with inter-and AMD 7 th generation and forward processors or provide any Windows 7 of rivers on http://www.support.hp.com

31 HP PerformanceAdvisor – Internet access required.

32 For detailed Linux® 05/hardware support information, see: http://www.hp.com/linux_hardware_matrix

33 Not all features are available in all editions or versions of Ubuntu. Systems may require upgraded and or separately purchased hardware, drivers, software or BIOS to take full advantage of Ubuntu functionality. Ubuntu may be automatically updated. SP fees may apply and additional requirements may apply over time for updates. Ubuntu not yet available for Core X configurations.

34 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 and application provides to the provides of the state o

your hardware and software configurations. Intel's numbering, branding and br naming is not a measurement of higher performance.

35 TCO Certified configurations available when ENERGY STAR configurations are selected with a USB Type-C® connector. ENERGY STAR available with a combination of high-performance CPU's, high-performance GPU's and select memory configurations.

³⁶ Front entry contain: 1 head set connector; 4 USB 3.1 (1 charging)

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