# 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<sup>®</sup> Xeon<sup>®</sup> or Core<sup>™</sup> X processors, and support for dual extreme graphics, you get all you need, nothing more.



HP recommends Windows 10 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 highpowered 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 Gen3<sup>2</sup> and HP Sure Start Gen3<sup>10</sup> featuring a self-healing BIOS.

### Featuring

- Support your unique user needs with a choice of Windows 10 Pro for Workstations 64 or Linux<sup>®</sup> operating systems.<sup>1</sup>
- Run demanding professional apps with the newest generation Intel<sup>®</sup> Xeon<sup>®</sup> 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<sup>®</sup> Core<sup>™</sup> X-Series processors: the high-performance single-socket processors from Intel<sup>®</sup>.<sup>8</sup>
- Get serious about graphics and reach peak productivity with access to a breadth of NVIDIA<sup>®</sup> and AMD professional graphics from entry to high-end 3D.<sup>4</sup>
- 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<sup>™</sup> 3 technology for fast data transfers.
- The optional dual front I/O USB 3.1 G2 Type C<sup>™</sup> module lets you transfer data to devices using modern connection technology at higher data rates.
- Optional self-encryption drives thwart outside access so your valuable IP won't fall into the wrong hands.

# HP Z4 G4 Workstation Specifications Table

| Available Operating Systems   | Windows 10 Pro for Workstations 64 - HP recommends Windows 10 Pro <sup>12,124,25</sup><br>Red Hat <sup>®</sup> Enterprise Linux <sup>®22</sup><br>HP Linux <sup>®</sup> Instalers Kin kindudes drivers for 64-bit versions of Red Hat <sup>®</sup> Enterprise Linux <sup>®</sup> (1.4, Subject 10, Subje   |  |
|---|--|--|
| Processor family <sup>26,30</sup>   | me chuxe installer nu includes unters for off-our versions of neu nate chief pise chicker 7.4, sose chicker enterprise beskript i z and obtaine income neu nate chief pise chicker se unity is available as a second operating system.   |  |
| Available Processors <sup>2,3,29</sup>  | Intel <sup>®</sup> Xer <sup>®</sup> W-255 (3 GHz base frequency, up to 4.8 GHz with intel <sup>®</sup> Turbe Boost Technology, 24.75 MB cache, 14 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-256 (3 GHz base frequency, up to 4.8 GHz with intel <sup>®</sup> Turbe Boost Technology, 25.5 MB cache, 14 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-256 (3 GHz base frequency, up to 4.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.55 MB cache, 14 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-256 (3 GHz base frequency, up to 4.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.55 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-226 (3 GHz base frequency, up to 4.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.55 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-223 (3 GHz base frequency, up to 4.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-223 (3 GHz base frequency, up to 3.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-223 (3 GHz base frequency, up to 3.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (3 GHz base frequency, up to 3.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (3 GHz base frequency, up to 3.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (3 GHz base frequency, up to 3.5 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (3 GHz base frequency, up to 3.5 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (3 GHz base frequency, up to 3.5 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (3 GHz base frequency, up to 3.5 GHz with intel <sup>®</sup> Turbe Boost Technology, 8.25 MB cache, 6 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (2 GHz base frequency, up to 3.5 GHz with intel <sup>®</sup> Turbe Boost Technology, 3.0, 1, 2, 5 MB cache, 1 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (2 GHz base frequency, up to 3.6 GHz with intel <sup>®</sup> Turbe Boost Technology, 3.0, 1, 2, 5 MB cache, 1 cores)<br>Intel <sup>®</sup> Xer <sup>®</sup> W-213 (2 GHz base frequency, up to 4.6 GHz with intel <sup>®</sup> Turbe Boost Ma  |  |
| Chipset <sup>26,27</sup>  | Intel® (422; Intel® X299   |  |
| Maximum memory  | 256 GB DDR4-2666 ECC SDRAM (for Intel <sup>®</sup> Xeon <sup>®</sup> configurations); 128 GB DDR4-2666 non-ECC SDRAM (for Intel <sup>®</sup> Core <sup>™</sup> X configurations) <sup>8</sup><br>Transfer rates up to 2666 MT/s.   |  |
| Memory slots  |  |  |
| Internal storage  | 300 GB SAS (15000 rpm) <sup>4,23</sup><br>500 GB up to 218 SAR (720 rpm) <sup>4</sup><br>500 GB 251AS 5ED '7200 rpm'<br>1 TB up to 61 TB 7200 rpm' SATA Enterprise <sup>4</sup><br>256 GB up to 712 GB SATA SED '050 JAI 2520 <sup>4</sup><br>240 GB up to 712 GB SATA SED '050 JAI 2520 <sup>4</sup><br>256 GB up to 712 GB SATA Enterprise SD <sup>4</sup><br>256 GB up to 712 HP 7 Turbo Drive DB(e <sup>1</sup> NMe <sup>10</sup> SED 'SD M 2 <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup><br>256 GB up to 718 TP 7 Turbo Drive DB(e <sup>1</sup> SDF <sup>4</sup>   |  |
| Additional storage  | HP SD 4 Media Card Reader (optional)   |  |
| Optical drive <sup>5,6</sup>  | HP Slim DVD-ROH; HP Slim Blu-ray Writer; HP Slim DVD-Writer  |  |
| Available Graphics  | Entry 3D: AMD FinePro <sup>m</sup> W2100 Craphics (2 GE DDR3 dedicated); WIDIA <sup>M</sup> Quadro <sup>®</sup> P4002 (2 GE GDDR5 dedicated); UNIDIA <sup>M</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GDDR5 dedicated); UNIDIA <sup>®</sup> Quadro <sup>®</sup> P2020 (2 GE GD |  |
| Audio   | Integrated Realtek HD ALC221   |  |
| Expansion slots   | 2 PCIe 3 x4, 2 M.2 PCIe 3 x4, 1 PCIe x8, 2 PCIe x16 (for Intel® Xeon® W configurations); 2 PCIe 3 x4, 1 M.2 PCIe 3 x4, 1 PCIe x8, 2 PCIe x16 (for Intel® Core® 17-9800X configurations); 2 PCIe 3 x4, 1 M.2 PCIe 3 x4, 1 PCIe x8 (mechanical only), 1 PCIe x16 (selectrical), 1 PCIe x16 (for other Intel® Core® 17-X configurations)  |  |
| Ports and Connectors  | Front: 1 headset connector; 4 USB 3.1 (1 charging)<br>Front IPremium version: 1 headset connector; 2 USB 3.1 Gen 2 Type-C™; 2 USB 3.1 Gen 1 (1 charging)<br>Reat: 1 audio-in; 1 FSZ keyboard port; 1 FSZ mouse port; 1 serial; 2 RJ-45 (1 GbE); 6 USB 3.1 Gen 1<br>(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.)   |  |
| Available Keyboards   | HP PS/2 Business Slim Keyboard; HP USB Business Slim Keyboard; USB Premum wied keyboard; USB Smart Card (ICOD) keyboard <sup>10</sup>  |  |
| Available Pointing Devices  | 3Dconnexion CADMouse; HP USB Optical Mouse; HP PS/2 Mouse; HP USB Hardened Mouse <sup>10</sup>   |  |
| LAN <sup>20</sup> Network Interface <sup>20</sup>   | Integrated Intel® 71:21-JLA PCIe® GDE<br>Integrated Intel® 71:21-APCIe® GDE<br>Intel® 1350-72 dual-port GDE NIC<br>Intel® 1350-74 dual-port GDE NIC<br>Intel® 121:0-17 IDtel® GDE<br>Intel® 520-72 dual-port GDE NIC<br>Intel® 520-72 dual-port GDE NIC<br>Intel® 520-72 dual-port GDE NIC<br>Intel® 520-72 dual-port GDE NIC  |  |
| 141 4419  | Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™  |  |
| WLAN <sup>9</sup>   | Two 5 25" Two 2 5" or 2 5" 16  |  |
| Drive Bays  | Two 5.25°, Two 2.5° or 3.5° <sup>16</sup>  |  |
| Drive Bays<br>Available Software <sup>13,31</sup>   | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption; 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 BIOSphere Gen3; HP Client Security Manager Gen3; HP   |  |
| Drive Bays<br>Available Software <sup>13,31</sup><br>Security management <sup>7,14,15,17,18,28</sup>  | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption; 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 BIOSphere Gen3; HP Client Security Manager Gen3; HP<br>MIK/SCCM Gen2; Self Encrypting Drive (SED)   |  |
| Drive Bays<br>Available Software <sup>13,31</sup><br>Security management <sup>7,14,15,17,16,28</sup><br>Power <sup>22</sup>   | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption; 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 BIOSphere Gen3; HP Client Security Manager Gen3; HP<br>MIK/SCCM Gen2; Self Encrypting Drive (SED)<br>1000 W Internal power supply, up to 90% efficiency, active PFC; 465 W Internal power supply, up to 90% efficiency, active PFC  |  |
| Drive Bays<br>Available Software <sup>13,31</sup><br>Security management <sup>2,14,15,17,18,28</sup><br>Power <sup>22</sup><br>Dimensions   | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption; HP Keyed Cable Lock KH; HP Secure Erase; HP Sure Start Gen3; Kensington lock slot; Secure authentication; TPM 2.0 certified; HP Device Access Manager; HP Sure Click; HP BIOSphere Gen3; HP Client Security Manager Gen3; HP<br>MiK/SCLM Gen2; Self Encrypting Drive (SED)<br>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<br>15.2 x 6.65 x 17.5 in; 38.6 x 16.9 x 44.5 cm  |  |
| Drive Bays<br>Available Software <sup>13,31</sup><br>Security management <sup>7,14,15,17,16,28</sup><br>Power <sup>22</sup>   | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption; 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 BIOSphere Gen3; HP Client Security Manager Gen3; HP<br>MIK/SCCM Gen2; Self Encrypting Drive (SED)<br>1000 W Internal power supply, up to 90% efficiency, active PFC; 465 W Internal power supply, up to 90% efficiency, active PFC  |  |
| Drive Bays<br>Available Software <sup>13,31</sup><br>Security management <sup>2,14,15,17,18,28</sup><br>Power <sup>22</sup><br>Dimensions<br>Weight   | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption: HP Keyed Cable Lock Kit; HP Secure Erase; HP Sure Start Gen3; Kensington lock slot; Secure authentication; TPH 2.0 certified; HP Device Access Manager; HP Sure Click; HP BIOSphere Gen3; HP Client Security Manager Gen3; HP<br>MR/SCCM Gen2; Self Encrypting Drive (SED)<br>1000 W Internal power supply, up Do9% 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<br>15.2 x 6.65 x 17.5 in; 38.6 x 16.9 x 44.5 cm<br>Starting at 22.4 lb; Starting at 10.2 kg  |  |
| Drive Bays<br>Available Software <sup>13,31</sup><br>Security management <sup>7,14,15,17,18,28</sup><br>Power <sup>22</sup><br>Dimensions<br>Weight<br>Energy efficiency compliance <sup>11</sup> | HP Remote Graphics Software (RGS); HP Performance Advisor<br>Full volume encryption: 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 BIOSphere Gen3; HP Client Security Manager Gen3; HP<br>MIG/SCCM Gen2: Self Encryption; Dv MS (SED)<br>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<br>15.2 x 6.65 x 17.5 tr; 38.6 x 16.3 x 44.5 cm<br>Starting at 22.4 lb; Starting at 10.2 kg<br>ENERGY STAR® certified and EPEAT® cold registered configurations available; ENERGY STAR® certified and EPEAT® 2019 registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country.  |  |

# HP Z4 G4 Workstation

## Accessories and services (not included)

| HP Z32 31.5-inch 4K UHD Display  |                       | Experience extraordinary, precise color and see more of your projects at one time on a display with stunning 4K <sup>1</sup> resolution.<br><b>Product number: 1AA81A8</b>  |
|--|-----------------------|---|
| HP Z24nf G2 23.8-inch Display  |                       | Be a productive powerhouse with the sleek HP Z24nf G2 23.8-inch Display. This virtually seamless Full HD display is factory-tested for reliability and longevity with integrated color calibration, uninterrupted multi-screen <sup>1</sup> tiling, and expansive device connections. <b>Product number: 1JS07A8</b>  |
| HP Z27n G2 27-inch Display   |                       | Be a productive powerhouse with the sleek QHD HP Z27n G2 27-inch Display. This virtually<br>seamless display is factory-tested for reliability and longevity with integrated color calibration,<br>uninterrupted multi-screen <sup>1</sup> tiling, and expansive device connections, including USB-C™.<br><b>Product number: 1JS10A8</b>  |
| HP Z Premium Front I/O 2xUSB-A<br>2xUSB-C  |                       | Use the HP Z Premium Front I/O 2xUSB-A 2xUSB-C to quickly and easily upgrade your HP Z4, Z6 or Z8 G4 Workstation standard front I/O ports from 4x USB 3.1 Gen 1 Type A ports to 2x higher-bandwidth USB 3.1 Gen 2 Type-C <sup>™</sup> ports for modern peripheral compatibility and 2x USB 3.1 Gen 1 Type A ports.<br>Product number: 1XM32AA   |
| NVIDIA Quadro P5000 (16GB)<br>Graphics Card  | OLADRIO<br>Caracteria | Work with large models and rendering tasks and complex simulations and add more life-like<br>VR experiences to your workflow today while preparing for the challenges of tomorrow with<br>the NVIDIA® Quadro® P5000 workstation graphics card, powered by NVIDIA Pascal™ GPU<br>technology.<br>Product number: ZOB13AA  |
| AMD Radeon Pro WX 7100 8GB<br>Graphics Card  | RADEON PROMETRO       | Meet your demanding Design & Manufacturing and Media & Entertainment VR and immersive<br>computing workflows head on with the AMD Radeon™ Pro WX 7100, a single slot form factor<br>card based on AMD's new Polaris architecture.<br><b>Product number: Z0B14AA</b>   |
| HP 5 year Next Business Day Onsite<br>HW Support w/Defective Media<br>Retention for Workstations | ()<br>HP Care         | When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day <sup>1</sup> Onsite Service with Defective Media Retention, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work.<br><b>Product number: U1G57E</b> |

## HP recommends Windows 10 Pro for business

# HP Z4 G4 Workstation

#### Messaging Footnotes

<sup>1</sup> 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<sup>®</sup> 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

 <sup>4</sup> Pullicore 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 applications workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance. <sup>5</sup> Sold separately or as an optional feature.

<sup>6</sup> HP Z Premium Front I/O 2xUSB-A 2xUSB-C is sold separately or as an optional feature.

<sup>8</sup> Windows 10 Pro is preinstalled. Windows 7 is not supported on the Intel<sup>®</sup> Core<sup>™</sup> X - Series processor configurations. Configurations with the Intel<sup>®</sup> Core<sup>™</sup> 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, PCle slot configurations, M.2 storage capacity, GbE interface and manageability features. Please refer to the product QuickSpecs for complete details.

<sup>9</sup> Dual embedded 1GbE LAN ports on Intel® Xeon® processor configurations; single embedded 1GbE LAN ports on Intel® Core™ X processor configurations. <sup>10</sup> HP Sure Start Gen3 is available on HP EliteBook, HP ZBook, and HP Z Workstation products equipped with Intel® 7th generation processors.

Screen image courtesy of Renault Sport Racing

Screen image courtesy of Chris McLennan

#### Technical Specifications Footnotes

<sup>1</sup> 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 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.
<sup>2</sup> 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 applications workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
<sup>3</sup> Some Intel® vPro™ functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual applicances" applications

for Intel VPro technology is dependent on 3rd party software providers. Microsoft Windows required. Intel VPro is supported only with Intel® Xeon® configurations. <sup>4</sup> For hard drives and solid state drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB of system disk is reserved for system recovery software.

<sup>5</sup> Duplication of copyrighted 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/S.2 Double Sided/version 1.0 Media. No support for DVD RAM.
<sup>6</sup> With Blu-Ray, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not quaranteed. In order for some Blu-ray titles to play, they

may require a DVI or HDMI digital connection and your display may require HDCP Support. HD-DVD movies cannot be played on this Desktop PC <sup>7</sup> HP Client Security Manager G3 - Requires Windows and Intel<sup>®</sup> 7th or 8th generation processors.

<sup>9</sup> Wireless access point and Internet access required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft

specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices <sup>10</sup> Optional or add-on feature.

<sup>11</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
<sup>12</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

<sup>13</sup> HP Remote Graphics Software requires network connection. Performance dependent on network latency and image frame content

<sup>14</sup> HP BIOSphere G3 requires Intel<sup>®</sup> 7th generation processors.
<sup>15</sup> HP Secure Erase: For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. <sup>16</sup> Each bay is configurable to 2.5" or 3.5".

<sup>17</sup> HP MIK/SCCM - HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement. <sup>18</sup> HP Keved Cable Lock Kit is available only as an aftermarket option.

<sup>19</sup> NVIDIA® Quadro® SYNC II sold separately
 <sup>20</sup> I210-AT, I219-V are available in Intel® Xeon® configurations only.

<sup>21</sup> P10-4T, P19-V are available in Intel® Xeon® configurations only.
 <sup>21</sup> In accordance with Mirrosoft'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.hp.com.
 <sup>22</sup> 455W and 750W power supply options are only available for Intel® Xeon® configurations.
 <sup>23</sup> Supported only on Intel® Xeon® W processor configurations only.
 <sup>24</sup> Available on Intel® Xeon® W processor configurations only.
 <sup>25</sup> Available on Intel® Xeon® Configurations only.
 <sup>26</sup> Choice of Intel Core® TrX-Series processor configuration only.
 <sup>26</sup> Choice of Intel Core® TrX-Series processor configuration only.
 <sup>26</sup> Choice of Intel® Xeon® configurations, Intel® Core® TX configurations.
 <sup>28</sup> HP Sire (Cire) available on port HP RC: and supported Wirrost Kirrosoft® Hiereng E-prolonger Goorde Chrome and Chromium® Supported attachments include Mirrosoft Office Mord E-veal. PowerPoint] and PDE files in read-only mode when

28 HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer, Google Chrome, and Chromium<sup>™</sup>. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

<sup>22</sup> Intel<sup>®</sup> 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. See www.intel.com/technology/turboboost for more information. <sup>30</sup> Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support the Windows<sup>®</sup> 8 or Windows 7 operating system on products configured with Intel<sup>®</sup> and AMD 7th generation and forward processors or provide any Windows<sup>®</sup> 8 or Windows 7 drivers on http://www.support.hp.co <sup>31</sup> HP Performance Advisor – Internet access required.

32 For detailed Linux® OS/hardware support information, see: http/www.hp.com/linux\_hardware\_matrix

#### Sign up for updates hp.com/go/getupdated

Copyright © 2019 HP Development Company, L.P. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Xeon, Thunderbolt and Intel vPro are trademarks of Intel Corporation or subsidiaries in the U.S. and/or other countries. Bluetooth is a trademark of its proprietor and used by HP Inc. under license. USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. DisplayPort™ and the DisplayPort<sup>TM</sup> (ggo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. NVIDIA. The NVIDIA logo and Quadro are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Red Hat(R) is a registered trademark of Red Hat, Inc. in the United States and other countries. Linux<sup>®</sup> is the registered trademark of Linus Torvalds in the U.S. and other countries. All other trademarks are the property of their respective owners.

