

# HP Z2 Tower G1i Workstation Desktop PC Wolf Pro Security Edition (BN5K1UT)



## Mainstream workstation performance—reimagined

Experience new levels of performance for professional workflows. The HP Z2 Tower AI workstation is reengineered to support high-end graphics and seamlessly run both single and multi-threaded apps for fast modeling, simulation, and rendering. Enjoy easy expandability to upgrade, when needs evolve.



### Reengineered performance. Refined cooling.

Unleash the power of up to 600W, triple-wide graphics and an Intel® Core™ Ultra processor[1]. Smart fan control tunes fan speeds in real-time. New lattice venting optimizes airflow intake.

### Built to expand. Power to grow.

Need to upgrade graphics? Increase memory or storage?[2] Add specialized PCIe cards? With room to expand and tool-less access, you can easily upgrade and add components as needs evolve. Well suited for rack environments, now fit 1 unit in a 4U rack.[3]

### Power AI-accelerated workflows

Accelerate AI inferencing and development with the Z2 Tower AI workstation. Iterate and problem solve faster on your local device with a powerful discrete GPU delivering AI TOPS while a built-in NPU[4] takes on productivity tasks.

## Featuring

### HP recommends Windows 11 Pro for business

Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot. [7]

### Security is your top priority

The HP Wolf Pro Security Edition provides preconfigured enterprise-level PC protection for small and medium sized businesses.

### Smaller, Functional Design

The stunning new design features front and rear ledges, so you can easily move your system from location to location.

### Independent Software Vendor Certifications

Work with confidence knowing your PC is certified by leading software vendors to ensure peak performance even on complex projects.

### HP Anyware

Access the power of your Z from any device with HP Anyware—remote access software delivering fast responsiveness and image quality, even in film editing and data visualizations. [8]

## Specifications

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form factor</b>                       | Tower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Operating system</b>                  | Windows 11 Pro <sup>[1]</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Processor family</b>                  | Intel® Core™ Ultra 9 processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Processor</b>                         | Intel® Core™ Ultra 9 285 (up to 5.4 GHz with Intel® Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads) [6,7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chipset</b>                           | Intel® W880                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Memory</b>                            | 32 GB DDR5-5600 MT/s (2 x 16 GB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Memory Slots</b>                      | 4 DRR5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Internal Storage</b>                  | 1 TB HP Z Turbo Drive PCIe® Gen4 TLC M.2 SSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>External drive bays</b>               | One slim ODD; One 5.25"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Graphics</b>                          | Integrated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Graphics (integrated)</b>             | Intel® Graphics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Audio</b>                             | Realtek ALC3205 codec, universal audio jack with CTIA and OMTP headset support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dimensions (W x D x H)</b>            | 17.5 x 42.6 x 38.8 cm<br>(Standard desktop orientation.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Dimensions (W x D x H)</b>            | 6.9 x 16.7 x 15.2 in<br>(Standard desktop orientation.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Weight</b>                            | Starting at 8.6 kg<br>(Exact weight depends on configuration.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Weight</b>                            | Starting at 19 lb<br>(Exact weight depends on configuration.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Keyboard</b>                          | HP 320K Wired Keyboard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pointing device</b>                   | HP Wired 320M Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Ports</b>                             | 2 USB Type-C® 20Gbps signaling rate; 4 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Expansion slots</b>                   | 2 M.2 2280 PCIe 4 x4; 1 M.2 2230 for WLAN; 1 M.2 2280 PCIe 5 x4; 1 PCIe 4 x1 mechanical (x4 electrical); 1 PCIe 4 x4 mechanical (x16 electrical); 1 PCIe 4 x4                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Ports</b>                             | 2 USB Type-A 10Gbps signaling rate; 2 DisplayPort™ 1.4; 1 RJ-45; 1 audio line-in/line-out; 3 USB Type-A 480Mbps signaling rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Package dimensions (W x D x H)</b>    | 59 x 49 x 29.5 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Package weight</b>                    | Starting at 12.5 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Network interface</b>                 | Intel® I219LM GbE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Power</b>                             | 700 W internal power adapter, up to 92% efficiency, active PFC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ecolabels</b>                         | EPEAT® registered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Energy star certified</b>             | ENERGY STAR® certified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Sustainable impact specifications</b> | Low halogen; Bulk packaging available; 10% ITE-derived closed loop plastic; 25% ocean-bound plastic in system fans; Product Carbon Footprint; Contains at least 60% post-consumer recycled plastic; System has a QR code enabled experience where the user has access to a product portal – beginning December 2025, this is complete with product feature highlights, sustainability information, getting started guides, and direct setup and support options; New Energy Consumption dashboard available to customers providing timely carbon usage including recommended actions users can take to decrease carbon footprint |
| <b>UPC number</b>                        | (ABA) 199251337420; (ABC) 199251454325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Top Recommended Displays, Accessories and Services

Series 7 Pro

|                                                               |         |
|---------------------------------------------------------------|---------|
| HP Series 7 Pro 27 inch QHD Monitor - 727pq                   | 8J4D8AA |
| HP Series 7 Pro 27 inch QHD Monitor - 727pq                   | 8J4D8UT |
| HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk    | 8Y2K9AA |
| HP Series 7 Pro 37.5 inch WQHD+ Thunderbolt 4 Monitor - 738pu | 8K167AA |

Wireless Headset

|                                                       |         |
|-------------------------------------------------------|---------|
| Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter | 9T9J3AA |
|-------------------------------------------------------|---------|

Wired Headset

|                                                                       |         |
|-----------------------------------------------------------------------|---------|
| Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter             | 8X223AA |
| Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X231AA |

## 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 is not a measurement of clock speed. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.

[2] Memory and storage are optional features that must be configured at purchase.

[3] Rack mounting hardware sold separately.

[4] Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.

[7] 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 11 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>. Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>.

[8] Network access required. HP Anyware software and licensing are available through a 1- or 3-year subscription. Renewal is required after the subscription term. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5. For a limited time, an HP Anyware Professional subscription also includes access and support for ZCentral Remote Boost and ZCentral Connect and is available for purchase through an HP reseller or contact sales at [hp.com/Anyware](http://hp.com/Anyware). ZCentral Remote Boost Sender requires Windows 10 and 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. ZCentral Connect requires Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features. For system requirements and to install HP Anyware and Anyware Manager, refer to the Admin Guides at: <https://docs.teradici.com/find/product/hp-anyware>.

## Technical Specifications Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

[6] Multi-core 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.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

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