



HP Z2 G9 i7-13700 Tower Intel® Core™ i7 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Workstation Black

Brand : HP

Product code: 5F176EA

Product name : Z2 G9

- Intel® Core™ i7-13700 (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads)
 - Windows 11 Pro
 - NVIDIA RTX™ A2000 (12 GB GDDR6 dedicated)
 - 16 GB memory; 512 GB SSD storage
- Z2 Tower G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, NVIDIA® RTX™ A2000

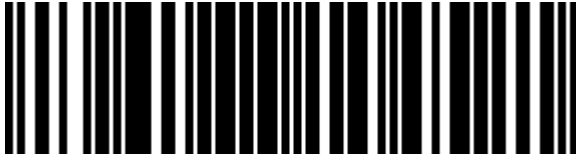
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Pro-power. Today and tomorrow
Experience a whole new level of performance for your professional workflow. The Z2 Tower is engineered to seamlessly run multi-threaded apps for fast rendering, simulation, and now real-time ray tracing. And when your demands change, you have impressive expandability to upgrade.



| Processor | | Ports & interfaces | |
|--------------------------------------|-----------------|-------------------------------------|------------------------|
| Processor manufacturer * | Intel | Line-out | ✓ |
| Processor model * | i7-13700 | Line-in | ✓ |
| Processor family * | Intel® Core™ i7 | Combo headphone/mic port | ✓ |
| Processor cores | 16 | Expansion slots | |
| Performance-core base frequency | 2.1 GHz | PCI Express x1 (Gen 3.x) slots | 1 |
| Efficient-core base frequency | 1.5 GHz | PCI Express x4 (Gen 3.x) slots | 2 |
| Efficient-core Max Turbo Frequency | 4.1 GHz | Design | |
| Performance-core Max Turbo Frequency | 5.1 GHz | Chassis type * | Tower |
| Processor boost frequency | 5.2 GHz | Number of 3.5" bays | 2 |
| Processor cache | 30 MB | Number of 5.25" bays | 1 |
| Processor cache type | L3 | Number of 2.5" bays | 1 |
| Processor threads | 24 | Product colour * | Black |
| Bus type | DMI4 | Performance | |
| Memory | | Market positioning | Performance |
| Internal memory * | 16 GB | Audio chip | Realtek ALC3205-VA2-CG |
| Maximum internal memory * | 128 GB | Built-in speaker(s) | ✓ |
| Internal memory type | DDR5-SDRAM | Number of speakers | 1 |
| Memory layout (slots x size) | 1 x 16 GB | Product type * | Workstation |
| Memory slots | 4x DIMM | Software | |
| Memory clock speed | 4800 MHz | Operating system installed * | Windows 11 Pro |
| Storage | | Processor special features | |
| Total storage capacity * | 512 GB | Intel 64 | ✓ |
| Storage media * | SSD | Enhanced Intel SpeedStep Technology | ✓ |
| Optical drive type * | ✗ | Embedded options available | ✓ |
| Number of storage drives installed | 1 | | |
| Total SSDs capacity | 512 GB | | |

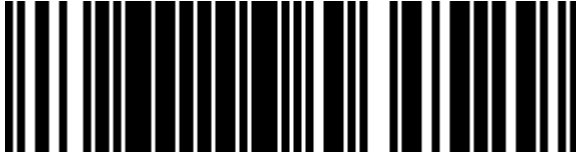
| Storage | | Processor special features | |
|---|------------------------|---|---|
| Number of SSDs installed | 1 | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| SSD capacity | 512 GB | Idle States | ✓ |
| SSD interface | PCI Express | Intel Stable Image Platform Program (SIPP) | ✓ |
| SSD form factor | M.2 | Intel Trusted Execution Technology | ✓ |
| Graphics | | Execute Disable Bit | ✓ |
| Discrete graphics card * | ✓ | CPU configuration (max) | 1 |
| Discrete GPU manufacturer | NVIDIA | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Discrete graphics card model * | NVIDIA RTX A2000 | Intel Virtualization Technology (VT-x) | ✓ |
| Discrete graphics memory type | GDDR6 | Brand-specific features | |
| Discrete graphics card memory | 12 GB | HP Support Assistant | ✓ |
| On-board graphics card * | ✓ | HP Security tools | HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 |
| On-board graphics card model * | Intel UHD Graphics 770 | | |
| Network | | HP Management tools | HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4 |
| Ethernet LAN * | ✓ | HP Software provided | HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit |
| Wi-Fi * | ✗ | HP segment | Business |
| Ports & interfaces | | Power | |
| USB 2.0 ports quantity * | 3 | Power supply * | 700 W |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1 | Weight & dimensions | |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 6 | Width * | 356 mm |
| DisplayPorts quantity | 2 | Depth * | 169 mm |
| DisplayPort version | 1.4 | Height * | 385 mm |
| Ethernet LAN (RJ-45) ports | 1 | Weight * | 7.2 kg |
| | | Packaging content | |
| | | Display included * | ✗ |
| | | Mouse included | ✓ |
| | | Keyboard included | ✓ |
| | | Keyboard connectivity | Wired |



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