

System Technical Specifications

|                                                            |                                                                                                                                                                                                                                                                         |                              |              |             |              |             |              |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|-------------|--------------|-------------|--------------|
| HP Z2 G9 SFF Workstation<br>Desktop PC Configuration<br>#5 | Processor Info                                                                                                                                                                                                                                                          | Core i9-12900K,16C 3.2G 125W |              |             |              |             |              |
|                                                            | Memory Info                                                                                                                                                                                                                                                             | 4 x 32G DDR5 4800 UDIMM ECC  |              |             |              |             |              |
|                                                            | Graphics Info                                                                                                                                                                                                                                                           | NVIDIA RTX A4000             |              |             |              |             |              |
|                                                            | Disks/Optical/Floppy                                                                                                                                                                                                                                                    | 1T SSD Z Turbo               |              |             |              |             |              |
|                                                            | PSU                                                                                                                                                                                                                                                                     | 550W                         |              |             |              |             |              |
|                                                            | Other                                                                                                                                                                                                                                                                   | NA                           |              |             |              |             |              |
| Energy Consumption<br>(Watts)                              |                                                                                                                                                                                                                                                                         | 115 VAC                      |              | 230 VAC     |              | 100 VAC     |              |
|                                                            |                                                                                                                                                                                                                                                                         | LAN Enabled                  | LAN Disabled | LAN Enabled | LAN Disabled | LAN Enabled | LAN Disabled |
|                                                            | Windows long Idle (S0)                                                                                                                                                                                                                                                  | 32.725                       |              | 32.709      |              | 32.711      |              |
|                                                            | Windows short Idle (S0)                                                                                                                                                                                                                                                 | 33.525                       |              | 35.083      |              | 33.432      |              |
|                                                            | Windows Busy Typ(S0)                                                                                                                                                                                                                                                    | 392.633                      |              | 392.11      |              | 390.621     |              |
|                                                            | Windows Busy Max (S0)                                                                                                                                                                                                                                                   | 419.361                      |              | 406.324     |              | 414.845     |              |
|                                                            | Sleep (S3)                                                                                                                                                                                                                                                              | 1.929                        | 1.862        | 2.142       | 1.929        | 1.862       | 2.142        |
|                                                            | Off (S5)                                                                                                                                                                                                                                                                | 0.776                        | 0.749        | 0.825       | 0.776        | 0.749       | 0.825        |
|                                                            | Zero Power Mode (ErP)                                                                                                                                                                                                                                                   | 0.213                        |              | 0.219       |              | 0.208       |              |
| Heat Dissipation<br>(Btu/hr)                               |                                                                                                                                                                                                                                                                         | 115 VAC                      |              | 230 VAC     |              | 100 VAC     |              |
|                                                            |                                                                                                                                                                                                                                                                         | LAN Enabled                  | LAN Disabled | LAN Enabled | LAN Disabled | LAN Enabled | LAN Disabled |
|                                                            | Windows long Idle (S0)                                                                                                                                                                                                                                                  | 111.658                      |              | 111.603     |              | 111.61      |              |
|                                                            | Windows short Idle (S0)                                                                                                                                                                                                                                                 | 114.387                      |              | 119.703     |              | 114.07      |              |
|                                                            | Windows Busy Typ(S0)                                                                                                                                                                                                                                                    | 1339.664                     |              | 1337.879    |              | 1332.799    |              |
|                                                            | Windows Busy Max (S0)                                                                                                                                                                                                                                                   | 1430.86                      |              | 1386.377    |              | 1415.451    |              |
|                                                            | Sleep (S3)                                                                                                                                                                                                                                                              | 6.582                        | 6.353        | 7.309       | 6.582        | 6.353       | 7.309        |
|                                                            | Off (S5)                                                                                                                                                                                                                                                                | 2.648                        | 2.556        | 2.815       | 2.648        | 2.556       | 2.815        |
|                                                            | Zero Power Mode (ErP)                                                                                                                                                                                                                                                   | 0.727                        |              | 0.747       |              | 0.71        |              |
|                                                            | <b>NOTE:</b> The Power Supply Efficiency report may be found at the following links:<br><a href="https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=0&amp;type=2">https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=0&amp;type=2</a> |                              |              |             |              |             |              |

Declared Noise Emissions

|                                                |                      |                                                                        |  |  |  |  |  |
|------------------------------------------------|----------------------|------------------------------------------------------------------------|--|--|--|--|--|
| System Configuration (Entry level, Lowprofile) | Processor Info       | Intel® CPU Core i5-12400 6C LGA 2.50G 18 MB 65W (Intel - Alder Lake-S) |  |  |  |  |  |
|                                                | Memory Info          | 1* 32GB 4800 SK hynix memory                                           |  |  |  |  |  |
|                                                | Graphics Info        | Intel® UHD                                                             |  |  |  |  |  |
|                                                | Disks/Optical/Floppy | 1*2TB Samsung M.2                                                      |  |  |  |  |  |
|                                                | Power Supply         | LITE-ON 450W                                                           |  |  |  |  |  |

|                                                                     |                                          |                          |                                          |
|---------------------------------------------------------------------|------------------------------------------|--------------------------|------------------------------------------|
| Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296) |                                          | Sound Power (LWAd, bels) | Deskside Sound Pressure (LpAm, decibels) |
|                                                                     | Idle                                     | 3.1                      | 15.2                                     |
|                                                                     | Hard drive Operating (Drive Random Seek) | 3.4                      | 23.9                                     |
|                                                                     | Hard drive Operating (Active mode)       | 3.05                     | 14.8                                     |

|                                              |                      |                                                                             |  |  |  |  |  |
|----------------------------------------------|----------------------|-----------------------------------------------------------------------------|--|--|--|--|--|
| System Configuration (Mid-level, Lowprofile) | Processor Info       | Intel® CPU Core i9-12900 16C LGA 2.40G 30 MB 65W ECC (Intel - Alder Lake-S) |  |  |  |  |  |
|                                              | Memory Info          | 4* 32GB 4800 SK hynix memory                                                |  |  |  |  |  |
|                                              | Graphics Info        | NVIDIA® T1000                                                               |  |  |  |  |  |
|                                              | Disks/Optical/Floppy | 2*WD 2TB 7200RPM SATA HDD; 3*2TB Samsung M.2                                |  |  |  |  |  |
|                                              | Power Supply         | LITE-ON 450W                                                                |  |  |  |  |  |