



# Lenovo ThinkStation P5 Intel Xeon W w3-2423 32 GB DDR5-SDRAM 512 GB SSD NVIDIA Quadro T1000 Windows 11 Pro for Workstations Tower Workstation Black, Red



**Brand :** Lenovo      **Product family:** ThinkStation      **Product code:** 30GA000XUS  
**Product name :** P5

- Windows 11 Pro for Workstations 64-bit  
 - Intel Xeon w3-2423 (15MB Cache, 2.1GHz)  
 - NVIDIA Quadro T1000 (8GB GDDR6)  
 - 32GB (4800MHz) DDR5-SDRAM (2 x 16) & 512GB SSD  
 Intel Xeon w3-2423 (15MB Cache, 2.1GHz), 32GB DDR5-SDRAM, 512GB SSD, NVIDIA Quadro T1000 (8GB GDDR6), LAN, Windows 11 Pro for Workstations 64-bit  
 Lenovo ThinkStation P5. Processor frequency: 2.1 GHz, Processor family: Intel Xeon W, Processor model: w3-2423. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800 MHz. Total storage capacity: 512 GB, Storage media: SSD. Discrete graphics card model: NVIDIA Quadro T1000. Operating system installed: Windows 11 Pro for Workstations, Operating system architecture: 64-bit. Power supply: 1000 W. Chassis type: Tower. Product type: Workstation. Product colour: Black, Red

| Processor                          |                 | Network   |                                 |
|------------------------------------|-----------------|---|---------------------------------|
| Processor manufacturer *           | Intel           | Ethernet LAN data rates                           | 100,1000 Mbit/s                 |
| Processor family *                 | Intel Xeon W    | Cabling technology                                | 10/100/1000Base-T(X)            |
| Processor model *                  | w3-2423         | LAN controller                                    | Intel® I219-LM                  |
| Processor cores                    | 6               | Wi-Fi *   | ✗                               |
| Processor threads                  | 12              | Bluetooth   | ✗                               |
| Processor boost frequency          | 4.2 GHz         | <b>Ports &amp; interfaces</b>                     |                                 |
| Processor frequency *              | 2.1 GHz         | USB 2.0 ports quantity *                          | 2                               |
| Performance cores                  | 6               | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 5                               |
| Processor cache                    | 15 MB           | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 2                               |
| Processor cache type               | Smart Cache     | USB 3.2 Gen 2x2 Type-C ports quantity             | 1                               |
| Processor base power               | 120 W           | Ethernet LAN (RJ-45) ports                        | 1                               |
| Maximum turbo power                | 144 W           | Combo headphone/mic port                          | ✓                               |
| <b>Memory</b>                      |                 | Line-out  | ✓                               |
| Internal memory *                  | 32 GB           | Line-in   | ✓                               |
| Maximum internal memory *          | 512 GB          | <b>Power</b>                                      |                                 |
| Internal memory type               | DDR5-SDRAM      | Power supply *                                    | 1000 W                          |
| Memory layout (slots x size)       | 2 x 16 GB       | 80 PLUS certification                             | 80 PLUS Platinum                |
| Memory slots                       | 8x DIMM         | <b>Design</b>                                     |                                 |
| Memory clock speed                 | 4800 MHz        | Chassis type *                                    | Tower                           |
| ECC                                | ✓               | Volume  | 33 L                            |
| Memory channels                    | Quad-channel    | Placement supported                               | Horizontal/Vertical             |
| <b>Storage</b>                     |                 | Cable lock slot                                   | ✓                               |
| Total storage capacity *           | 512 GB          | Cable lock slot type                              | Kensington                      |
| Storage media *                    | SSD             | Product colour *                                  | Black, Red                      |
| Optical drive type *               | ✗               | <b>Software</b>                                   |                                 |
| Number of storage drives installed | 1               | Operating system architecture                     | 64-bit                          |
| Total SSDs capacity                | 512 GB          | Operating system language                         | English                         |
| Number of SSDs installed           | 1               | Operating system installed *                      | Windows 11 Pro for Workstations |
| SSD capacity                       | 512 GB          | <b>Display</b>                                    |                                 |
| SSD interface                      | PCI Express 4.0 | Display included *                                | ✗                               |
| NVMe                               | ✓               |   |                                 |
| SSD form factor                    | M.2             |   |                                 |
| Card reader integrated             | ✓               |   |                                 |
| <b>Graphics</b>                    |                 |   |                                 |
| Discrete graphics card *           | ✓               |   |                                 |

| Graphics                                      |                              |
|---|------------------------------|
| Discrete GPU manufacturer                     | NVIDIA                       |
| On-board graphics card *                      | ✗                            |
| Discrete graphics card model *                | NVIDIA Quadro T1000          |
| Discrete graphics card memory                 | 8 GB                         |
| Discrete graphics memory type                 | GDDR6                        |
| Number of discrete graphics cards             | 1                            |
| On-board graphics card model *                | Not available                |
| Graphics card Mini DisplayPort ports quantity | 4                            |
| Performance                                   |                              |
| Motherboard chipset                           | Intel W790                   |
| Password protection                           | ✓                            |
| Password protection type                      | Power on, Supervisor         |
| BIOS type                                     | UEFI                         |
| Trusted Platform Module (TPM)                 | ✓                            |
| Product type *                                | Workstation                  |
| Built-in speaker(s)                           | ✓                            |
| Network                                       |                              |
| Ethernet LAN *                                | ✓                            |
| Audio   |                              |
| Audio chip                                    | Realtek ALC897-Q             |
| Audio system                                  | High Definition Audio        |
| Number of speakers                            | 1                            |
| Operational conditions                        |                              |
| Operating temperature (T-T)                   | 10 - 35 °C                   |
| Storage temperature (T-T)                     | -40 - 60 °C                  |
| Operating relative humidity (H-H)             | 20 - 80%                     |
| Storage relative humidity (H-H)               | 10 - 90%                     |
| Operating altitude                            | 0 - 3048 m                   |
| Non-operating altitude                        | 0 - 12192 m                  |
| Weight & dimensions                           |                              |
| Width *                                       | 165 mm                       |
| Depth *                                       | 453.9 mm                     |
| Height *                                      | 446 mm                       |
| Weight *                                      | 19 kg                        |
| Packaging content                             |                              |
| Mouse included                                | ✓                            |
| Keyboard included                             | ✓                            |
| Certificates                                  |                              |
| Compliance certificates                       | RoHS                         |
| Sustainability                                |                              |
| Sustainability certificates                   | ENERGY STAR, EPEAT Gold, TCO |



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### Catalog Object Cloud



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