



## Lenovo ThinkStation P5 Intel Xeon W w5-2455X 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A4500 Windows 11 Pro for Workstations Tower Workstation Black, Red



**Brand :** Lenovo

**Product family:** ThinkStation

**Product code:** 30GA000TUS

**Product name :** P5

- Windows 11 Pro for Workstations 64-bit  
- Intel Xeon w5-2455X (30MB Cache, 3.2GHz)  
- NVIDIA RTX A4500 (20GB GDDR6)  
- 64GB (4800MHz) DDR5-SDRAM (4 x 16) & 1000GB SSD  
Intel Xeon w5-2455X (30MB Cache, 3.2GHz), 64GB DDR5-SDRAM, 1000GB SSD, NVIDIA RTX A4500 (20GB GDDR6), LAN, Windows 11 Pro for Workstations 64-bit  
Lenovo ThinkStation P5. Processor frequency: 3.2 GHz, Processor family: Intel Xeon W, Processor model: w5-2455X. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800 MHz. Total storage capacity: 1 TB, Storage media: SSD. Discrete graphics card model: NVIDIA RTX A4500. 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 *                  | w5-2455X        | LAN controller                                    | Intel® I219-LM                  |
| Processor cores                    | 12              | Wi-Fi *                                           | ✗                               |
| Processor threads                  | 24              | Bluetooth                                         | ✗                               |
| Processor boost frequency          | 4.6 GHz         | Ports & interfaces                                |                                 |
| Processor frequency *              | 3.2 GHz         | USB 2.0 ports quantity *                          | 2                               |
| Performance cores                  | 12              | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 5                               |
| Processor cache                    | 30 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               | 200 W           | Ethernet LAN (RJ-45) ports                        | 1                               |
| Maximum turbo power                | 240 W           | Combo headphone/mic port                          | ✓                               |
| Memory                             |                 | Line-out                                          | ✓                               |
| Internal memory *                  | 64 GB           | Line-in                                           | ✓                               |
| Maximum internal memory *          | 512 GB          | Power                                             |                                 |
| Internal memory type               | DDR5-SDRAM      | Power supply *                                    | 1000 W                          |
| Memory layout (slots x size)       | 4 x 16 GB       | 80 PLUS certification                             | 80 PLUS Platinum                |
| Memory slots                       | 8x DIMM         | Design                                            |                                 |
| Memory clock speed                 | 4800 MHz        | Chassis type *                                    | Tower                           |
| ECC                                | ✓               | Volume                                            | 33 L                            |
| Memory channels                    | Quad-channel    | Placement supported                               | Horizontal/Vertical             |
| Storage                            |                 | Cable lock slot                                   | ✓                               |
| Total storage capacity *           | 1 TB            | Cable lock slot type                              | Kensington                      |
| Storage media *                    | SSD             | Product colour *                                  | Black, Red                      |
| Optical drive type *               | ✗               | Software                                          |                                 |
| Number of storage drives installed | 1               | Operating system architecture                     | 64-bit                          |
| Total SSDs capacity                | 1 TB            | Operating system language                         | English                         |
| Number of SSDs installed           | 1               | Operating system installed *                      | Windows 11 Pro for Workstations |
| SSD capacity                       | 1 TB            | Display                                           |                                 |
| SSD interface                      | PCI Express 4.0 | Display included *                                | ✗                               |
| NVMe                               | ✓               |                                                   |                                 |
| SSD form factor                    | M.2             |                                                   |                                 |
| Card reader integrated             | ✓               |                                                   |                                 |
| Graphics                           |                 |                                                   |                                 |
| Discrete graphics card *           | ✓               |                                                   |                                 |

| Graphics                            |                      | Audio                             |                              |
|-------------------------------------|----------------------|-----------------------------------|------------------------------|
| On-board graphics card *            | ✗                    | Audio chip                        | Realtek ALC897-Q             |
| Discrete graphics card model *      | NVIDIA RTX A4500     | Audio system                      | High Definition Audio        |
| Discrete graphics card memory       | 20 GB                | Number of speakers                | 1                            |
| Discrete graphics memory type       | GDDR6                | Operational conditions            |                              |
| Number of discrete graphics cards   | 1                    | Operating temperature (T-T)       | 10 - 35 °C                   |
| On-board graphics card model *      | Not available        | Storage temperature (T-T)         | -40 - 60 °C                  |
| Graphics card DisplayPorts quantity | 4                    | Operating relative humidity (H-H) | 20 - 80%                     |
| Performance                         |                      | Storage relative humidity (H-H)   | 10 - 90%                     |
| Motherboard chipset                 | Intel W790           | Operating altitude                | 0 - 3048 m                   |
| Password protection                 | ✓                    | Non-operating altitude            | 0 - 12192 m                  |
| Password protection type            | Power on, Supervisor | Weight & dimensions               |                              |
| BIOS type                           | UEFI                 | Width *                           | 165 mm                       |
| Trusted Platform Module (TPM)       | ✓                    | Depth *                           | 453.9 mm                     |
| Product type *                      | Workstation          | Height *                          | 446 mm                       |
| Built-in speaker(s)                 | ✓                    | Weight *                          | 19 kg                        |
| Network                             |                      | Packaging content                 |                              |
| Ethernet LAN *                      | ✓                    | Mouse included                    | ✓                            |
|                                     |                      | Keyboard included                 | ✓                            |
|                                     |                      | Certificates                      |                              |
|                                     |                      | Compliance certificates           | RoHS                         |
|                                     |                      | Sustainability                    |                              |
|                                     |                      | Sustainability certificates       | ENERGY STAR, EPEAT Gold, TCO |



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