



# Lenovo ThinkPad T14 Laptop 35.6 cm (14") Full HD Intel® Core™ i7 i7-10510U 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Black

**Brand :** Lenovo

**Product family:** ThinkPad

**Product code:** 20S0002NUS

**Product name :** T14



- Windows 10 Pro 64-bit

- Intel Core i7-10510U (8MB Cache, 1.8GHz)

- 35.6 cm (14") Full HD 1920 x 1080 WVA

- 8GB (2666MHz) DDR4-SDRAM & 256GB SSD

Intel Core i7-10510U (8MB Cache, 1.8GHz), 8GB DDR4-SDRAM, 256GB SSD, 35.6 cm (14") Full HD 1920 x 1080 WVA, Intel UHD Graphics, LAN, WLAN, Webcam, Windows 10 Pro 64-bit

Lenovo ThinkPad T14. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7,

Processor model: i7-10510U, Processor frequency: 1.8 GHz. Display diagonal: 35.6 cm (14"), HD type:

Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-

SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD

Graphics. Operating system installed: Windows 10 Pro. Product colour: Black

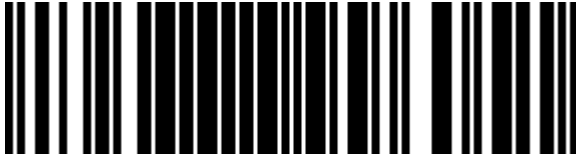


| Design                          |                          | Network  |                    |
|---------------------------------|--------------------------|--|--------------------|
| Product type *                  | Laptop                   | Ethernet LAN data rates                            | 10,100,1000 Mbit/s |
| Product colour *                | Black                    | Bluetooth  | ✓                  |
| Form factor *                   | Clamshell                | Bluetooth version                                  | 5.0                |
| Display                         |                          | Ports & interfaces                                 |                    |
| Display diagonal *              | 35.6 cm (14")            | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *  | 2                  |
| Display resolution *            | 1920 x 1080 pixels       | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *  | 1                  |
| Touchscreen *                   | ✗                        | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity    | 1                  |
| HD type                         | Full HD                  | Ethernet LAN (RJ-45) ports                         | 1                  |
| Panel type                      | WVA                      | HDMI ports quantity *                              | 1                  |
| LED backlight                   | ✓                        | HDMI version                                       | 1.4b               |
| Native aspect ratio             | 16:9                     | Combo headphone/mic port                           | ✓                  |
| Display brightness              | 250 cd/m <sup>2</sup>    | Docking connector                                  | ✓                  |
| Contrast ratio (typical)        | 700:1                    | Charging port type                                 | USB Type-C         |
| Processor                       |                          | USB Type-C DisplayPort Alternate Mode              | ✓                  |
| Processor manufacturer *        | Intel                    | USB Power Delivery                                 | ✓                  |
| Processor generation            | 10th gen Intel® Core™ i7 | USB Sleep-and-Charge                               | ✓                  |
| Processor family *              | Intel® Core™ i7          | USB Sleep-and-Charge ports                         | 1                  |
| Processor model *               | i7-10510U                | Keyboard   |                    |
| Processor frequency *           | 1.8 GHz                  | Pointing device                                    | ThinkPad UltraNav  |
| Processor boost frequency       | 4.9 GHz                  | Numeric keypad *                                   | ✗                  |
| Processor threads               | 8                        | Keyboard backlight                                 | ✓                  |
| System bus rate                 | 4 GT/s                   | Spill-resistant keyboard                           | ✓                  |
| Processor cores                 | 4                        | Software   |                    |
| Processor cache                 | 8 MB                     | Operating system architecture                      | 64-bit             |
| Processor socket                | BGA 1528                 | Operating system installed *                       | Windows 10 Pro     |
| Processor lithography           | 14 nm                    | Processor special features                         |                    |
| Processor operating modes       | 64-bit                   | Intel® My WiFi Technology (Intel® MWT)             | ✓                  |
| Processor codename              | Comet Lake               | Intel® Identity Protection Technology (Intel® IPT) | ✓                  |
| Thermal Design Power (TDP)      | 15 W                     |  |                    |
| Configurable TDP-up frequency   | 2.3 GHz                  |  |                    |
| Configurable TDP-up             | 25 W                     |  |                    |
| Configurable TDP-down           | 10 W                     |  |                    |
| Configurable TDP-down frequency | 0.8 GHz                  |  |                    |

| Processor                                      |  | Processor special features                               |  |
|--|--|--|--|
| Tjunction                                      | 100 °C   | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓  |
| Maximum number of PCI Express lanes            | 16   | Intel® Turbo Boost Technology                            | 2.0  |
| PCI Express slots version                      | 3.0  | Enhanced Intel SpeedStep Technology                      | ✓  |
| PCI Express configurations                     | 1x4, 2x2, 1x2+2x1, 4x1   | Intel® Clear Video HD Technology (Intel® CVT HD)         | ✓  |
| Memory   |  | Intel Clear Video Technology                             | ✓  |
| Internal memory *                              | 8 GB   | Intel® Quick Sync Video Technology                       | ✓  |
| Internal memory type                           | DDR4-SDRAM   | Intel Flex Memory Access                                 | ✓  |
| Memory clock speed                             | 2666 MHz   | Intel® AES New Instructions (Intel® AES-NI)              | ✓  |
| Memory form factor                             | On-board + SO-DIMM   | Intel Trusted Execution Technology                       | ✗  |
| Memory slots                                   | 1x SO-DIMM   | Intel VT-x with Extended Page Tables (EPT)               | ✓  |
| Maximum internal memory *                      | 40 GB  | Intel® Secure Key  | ✓  |
| Storage  |  | Intel TSX-NI   | ✗  |
| Total storage capacity *                       | 256 GB   | Intel Stable Image Platform Program (SIPP)               | ✗  |
| Storage media *                                | SSD  | Intel® OS Guard  | ✓  |
| Total SSDs capacity                            | 256 GB   | Intel Software Guard Extensions (Intel SGX)              | ✓  |
| Number of SSDs installed                       | 1  | Intel 64   | ✓  |
| SSD capacity                                   | 256 GB   | Execute Disable Bit                                      | ✓  |
| SSD interface                                  | NVMe, PCI Express  | Idle States  | ✓  |
| NVMe   | ✓  | Thermal Monitoring Technologies                          | ✓  |
| SSD form factor                                | M.2  | Processor package size                                   | 46 x 24 mm   |
| Optical drive type *                           | ✗  | Supported instruction sets                               | SSE4.1, SSE4.2, AVX 2.0  |
| Card reader integrated                         | ✓  | CPU configuration (max)                                  | 1  |
| Compatible memory cards                        | MicroSD (TransFlash)   | Embedded options available                               | ✗  |
| Graphics                                       |  | Intel Virtualization Technology for Directed I/O (VT-d)  | ✓  |
| Discrete graphics card model *                 | Not available  | Intel Virtualization Technology (VT-x)                   | ✓  |
| On-board graphics card *                       | ✓  | Processor ARK ID   | 196449   |
| On-board GPU manufacturer                      | Intel  | Battery  |  |
| Discrete graphics card *                       | ✗  | Battery technology                                       | Lithium Polymer (LiPo)   |
| On-board graphics card model *                 | Intel® UHD Graphics  | Battery capacity *                                       | 50 Wh  |
| On-board graphics card base frequency          | 300 MHz  | Battery life (max)                                       | 16.5 h   |
| On-board graphics card dynamic frequency (max) | 1150 MHz   | Fast charging  | ✓  |
| Maximum on-board graphics card memory          | 32 GB  | Power  |  |
| Number of execution units                      | 24   | AC adapter power   | 65 W   |
| On-board graphics card DirectX version         | 12.0   | Security   |  |
| On-board graphics card OpenGL version          | 4.5  | Cable lock slot  | ✓  |
| On-board graphics card ID                      | 0x9B41   | Cable lock slot type                                     | Kensington   |
| Audio  |  | Fingerprint reader                                       | ✓  |
| Audio chip                                     | Realtek ALC3287  | Trusted Platform Module (TPM)                            | ✓  |
| Audio system                                   | Dolby Audio  | Password protection                                      | ✓  |
| Number of built-in speakers                    | 2  | Password protection type                                 | HDD, Power on, Supervisor  |
| Speaker power                                  | 2 W  | Sustainability   |  |
| Built-in microphone                            | ✓  | Sustainability certificates                              | RoHS, EPEAT Gold, ENERGY STAR  |
| Number of microphones                          | 2  | Weight & dimensions                                      |  |
| Camera   |  | Width  | 329 mm   |
| Front camera                                   | ✓  | Depth  | 227 mm   |
| Front camera HD type                           | HD   | Height   | 17.9 mm  |
| Privacy camera                                 | ✓  | Weight *   | 1.55 kg  |
| Privacy type                                   | Privacy shutter  | Network  |  |
| Top Wi-Fi standard *                           | Wi-Fi 6 (802.11ax)   | Top Wi-Fi standard *                                     | Wi-Fi 6 (802.11ax)   |
| Wi-Fi standards                                | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax) | Wi-Fi standards  | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax) |
| Mobile network connection *                    | ✗  | Mobile network connection *                              | ✗  |

## Network

|                       |                     |
|-----------------------|---------------------|
| Antenna type          | 2x2                 |
| WLAN controller model | Intel Wi-Fi 6 AX201 |
| Ethernet LAN          | ✓                   |



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