# ThinkPad P15s Gen 1 20T40049GE

***Product***
ThinkPad P15s Gen 1

***Region***
WE

***Country/Region***
Germany

***Machine Type***
20T4

***TopSeller***
TopSeller

***Processor***
Intel Core i7-10510U (4C / 8T, 1.8 / 4.9GHz, 8MB)

***Graphics***
NVIDIA Quadro P520 2GB GDDR5

***Chipset***
Intel SoC Platform

***Memory***
16GB Soldered DDR4-2666 non-ECC

***Storage***
256GB SSD M.2 2280 PCIe NVMe Opal2

***Display***
15.6" FHD (1920x1080) IPS 250nits Anti-glare, 45% Gamut

***Touchscreen***
None

***Card Reader***
MicroSD Reader

***Ethernet***
100/1000M

***Optical***
None

***WLAN + Bluetooth***
Intel AX201 11ax, 2x2 + BT5.1

***WWAN***
None

***SIM Card***
None

***Smart Card Reader***
Smart Card Reader

***Monitor Cable***
None

***Bundled Accessories***
None

***Camera***
720p with ThinkShutter

***Microphone***
2x, Array

***Case Material***
PPS / 50% GF (Top), PA / 50% GF (Bottom)

***Case Color***
Black

***Keyboard***
Backlit, German

***Fingerprint Reader***
Touch Style, Match-on-Chip

***NFC***
None

***Security Chip***
Discrete TPM 2.0

***Battery***
Integrated 57Wh

***Power Adapter***
65W USB-C

***System Management***
None

***Operating System***
Windows 10 Pro 64, German

***Bundled Software***
None

***Base Warranty***
3-year, Depot

***Bundled Service***
None

***EAN / UPC / JAN***
0195477462403

***End of Support***
2026-12-05

***Announce Date***
2020-11-24

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***Recommended Services***

***Best***
5Y Premier Support Upgrade from 3Y Depot/CCI (5WS0V07061)

***Better***
4Y Premier Support Upgrade from 3Y Depot/CCI (5WS0V07067)

***Good***
3Y Premier Support Upgrade from 3Y Depot/CCI (5WS0V07092)

**Notes:**

**Battery life** is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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# ThinkPad P15s Gen 1 Platform Specifications



| | |
|---|---|
| Processor | Supports one 10th Core i7 and i5 -U suffix processor as following: |

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| i7-10610U | 4 | 8 | 1.8GHz | 4.9GHz | 8MB | DDR4-2666 | Intel UHD Graphics |
| i7-10510U | 4 | 8 | 1.8GHz | 4.9GHz | 8MB | DDR4-2666 | Intel UHD Graphics |
| i5-10310U | 4 | 8 | 1.7GHz | 4.4GHz | 6MB | DDR4-2666 | Intel UHD Graphics |
| i5-10210U | 4 | 8 | 1.6GHz | 4.2GHz | 6MB | DDR4-2666 | Intel UHD Graphics |

| | |
|---|---|
| Chipset | Intel SoC (System on Chip) platform |
| Memory Type | DDR4-3200, operates at DDR4-2666.<br>8GB/16GB/32GB DDR4-3200 SO-DIMM non-ECC for DIMM sockets,<br>8GB/16GB DDR4-3200 non-ECC for soldered DIMM |
| Memory Sockets | 1 DIMM socket plus 1 soldered DIMM, dual-channel capable |
| Memory Protection | None |
| Max Memory | 48GB with one 32GB SO-DIMM plus one 16GB soldered DIMM |
| Graphics | Intel UHD Graphics in processor and NVIDIA Quadro P520, 2GB GDDR5 memory |

Display

| Size | Resolution | Type | Surface | Touch | Brightness | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle |
|---|---|---|---|---|---|---|---|---|---|
| 15.6" | FHD (1920x1080) | WVA | Anti-glare | - | 250 nits | 16:9 | 800:1 | 45% | 170° |
| 15.6" | FHD (1920x1080) | WVA | Anti-glare | multi-touch | 300 nits | 16:9 | 800:1 | 45% | 170° |
| 15.6" | UHD (3840x2160) Dolby Vision, HDR 400 | WVA | Anti-glare | - | 600 nits | 16:9 | 1400:1 | 100% Adobe | 170° |

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|---|---|
| Color Calibration | Factory Color Calibration on UHD models |
| Touchscreen | Optional on-cell touch on selected FHD models, supports 10-finger gesture |
| Pen | None |
| Storage | Up to one M.2 SSD as following, 2TB max:<br>• M.2 2280 PCIe NVMe, PCIe 3.0 x 4, 256GB / 512GB / 1TB / 2TB<br>• M.2 2242 PCIe NVMe, PCIe 3.0 x 2, 128GB, for special bids<br>• M.2 2280 512GB SSD + 32 GB Optane, PCIe NVMe 3.0 x 4, for special bids |
| Optical | None |
| Ethernet | One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models |
| NFC | Optional |
| WLAN + Bluetooth | Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) |
| WWAN | One of the following, configurable by model:<br>• No WWAN card and non upgradable<br>• Integrated Mobile Broadband Upgradable, No WWAN Card, WWAN Antenna Only<br>• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card<br>• Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card |
| SIM card | Optional Nano-SIM card slot |
| Dimensions | Width: 365.8 mm (14.4 in). Depth: 248 mm (9.76 in).<br>Thickness: 19.1 mm (0.75 inches) |
| Weight | Starting at 3.86 lb (1.75kg) |
| Case color | Black |

| | |
|---|---|
| Case material | *Display cover:* PPS / 50% GF;<br>*Bottom:* PA / 50% GF |
| Media reader | MicroSD card reader |
| Standard Ports | On left: 1x USB-C (USB 3.2 Gen 1, PD, DP), 1x Thunderbolt (USB-C form, Thunderbolt 3, USB 3.2 Gen 2, PD, DP), 1x side docking connector, 1x USB-A 3.2 Gen 1, 1x HDMI 1.4b, 1x headphone / microphone combo jack, 1x microSD card reader<br>On right: 1x security keyhole, 1x RJ-45, 1x USB-A 3.2 Gen 1 (Always On) |
| Optional Ports | One optional smart card reader on right, one optional nano-SIM card slot on rear |
| Monitor support | Up to 3 displays with 2 external monitors plus system LCD screen. Two external monitors supported via USB-C, Thunderbolt, and HDMI. 4096x2304@60Hz on USB-C and Thunderbolt, 4096x2160 @24Hz on HDMI |
| Monitor cable | Optional HDMI to VGA, USB-C to DP, or USB-C to VGA adapters, up to two |
| Bundled Accy | None |
| Camera | Supports one optional camera as following:<br>• HD720p camera with ThinkShutter camera privacy, fixed focus<br>• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus |
| Audio chip | Realtek ALC3287 codec |
| Speaker | Stereo speakers, 2W x 2, Dolby Audio Speaker System |
| Microphone | Optional dual array near-field microphone |
| Keyboard | 6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad. LED backlight on most models, non LED backlight is for special bids |
| UltraNav | TrackPoint pointing device and Mylar surface multi-touch touchpad |
| Password | Power-on password, hard disk password, supervisor password |
| Security chip | Discrete TPM 2.0, TCG Certified, may be disabled in some regions |
| System mgmt | Optional Intel vPro Technology supported on vPro enable models |
| Security locks | Security keyhole for optional Kensington lock |
| Smart card reader | Optional |
| Fingerprint reader | Optional |
| Battery | Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter |
| Max battery life | MobileMark 2014: 16.5 hr.<br>MobileMark 2018: 10.48 hr.<br>** Battery life varies significantly with hardware configurations, settings, usage, & other factors* |
| Power Adapter | 65W or 65W slim USB-C AC adapter |
| Operating system | Supports one optional preloaded operating system as following:<br>• Windows 10 Home 64<br>• Windows 10 Pro 64<br>• Windows 10 Government Edition 64 for special bids<br>• Ubuntu Linux LTS |
| Base Warranty | Optional warranty plans as following:<br>• 1-year depot repair service<br>• 3-year depot repair service<br>• 1-year + 2-year depot repair service<br>• 1-year limited onsite service<br>• 3-year limited onsite service<br>• 1-year + 2-year limited onsite service<br>• 1-year depot with 2-year system board repair service |
| Mil-Spec test | MIL-STD-810G military testing |
| Environment | EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant |
| ISV certifications | Please visit www.thinkworkstations.com/isv-certifications/ |

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