ThinkPad T15 Gen 1 Platform Specifications

Product Specifications Reference (PSREF)

Memory 40GB or 48GB max / 2666MHz DDR4, dual-channel capable, BGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket * Installed memory is actually 3200MHz but run at 2666MHz due to Intel limitation (DBL C to VGA: Lenovo USB-C to VGA Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter Display Size Resolution Type Surface Touch Bright- ness Aspect Contrast Ratio Color Viewing Ratio Camera (optional) USB-C to VGA: Lenovo USB-C to VGA Adapter Display Size Resolution Type Surface Touch Bright- ness Aspect Contrast Ratio Color Viewing Ratio Color Viewing Ratio Camera (optional) HD720p camera with ThinkShutter camera privacy, fixed focus + HD Audio sepakter system, 2W x 2 / optional HzD backlight Multi-touch (opt) 15.6° FHD (1920x1080) IPS Anti-glare 250 nits 16:9 800:1 45% 170° Multi-touch (opt) UHD (3840x2160) (0-Bolby Vision ^m IPS Anti-glare 500 nits 16:9 1400:1 100% 170° UtraNav TM TrackPoint* pointing device and buttonless Mylar surface multi-touch touchpad Security chip 500 certified Security chip 500 certified Security chip Firmware TPM 2.0 1	Processor	10th Generation Intel [®] Core™ i5 / i7 Processor											Dimensions	<i>WxDxH:</i> 14.40" x 9.76" x 0.75"; 365.8mm x 248mm x 19.1mm
Black Case color Black Circle Color 1900 - 10000 - 10000 - 1000 - 1000 - 10000 - 1000 - 1000 - 1000 - 10000 -		Processor # of # of Base Max Turbo											Weight	
Bit 1000000000000000000000000000000000000				Threads				y		., ., .,	Grap	hics		Black
Image: state of the s		i5-10	310U 4	8	1.	6 GHz	4.4 GHz	2 6MB		4-2666			Case material	
Graphics Intel UHD Graphics in processor and model UHD Graphics in processor and supports up to Sindependent displays via neither display and two external monitors supports external monitors via HDMI (up to 4096x204 06 00Hz) The ULB 31 UGen 1 (nor Always Ch), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 1 (with the function of POwer Delivery and DisplayPort), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort). Supports up to 4086x204 06 06423 of 100 068x204 06 00Hz) Chipset Intel SoC (System on Chip) platform Montor Adapter 0.606 or 4056 mm/ Core Data Tool USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort). Single memory soldered to systemboard, one DOFA SO DIM socket Memory 406 or 4056 07 (Welf and X) control Mark to fun and Socket (staff HD (1920x168)) (IPS Anti-glave (Laboration of Mark to the All Socket to Socket (Staff) control Mark to fun and Socket (staff HD (1920x168)) (IPS Anti-glave (Laboration of Mark to Chip) (Staff HD (1920x168)) (IPS Anti-glave (Laboration of Intel Enternet Connection [219-V (Jacksonville)) (VLA) + (Intel Optionet) (Intel Enternet Connection [219-V (Jacksonville)) (VLA) + (Intel Optionet) (Intel Enternet Connection [219-V (Jacksonville)) (VLA) + (Intel VPF) For Anti-glave (Laboration Intel Defination (Laboration Intel Power Connection Intel Power Connection Intel Power Connection Intel Power Connection Intel Power (Laboration Intel Power Connection Intel Power (Laboration Intel Power Connection Power Power (Power Connection Power Power Power Power Power (Power Connection Power Power Power Power (Power Town Power) Power (Power Power) power (Power Town Power) Power (Power Town			510U	Ū						4 2000	Grap	hics		
Staphics intel UHD Graphics in processor and " Intel UHD Graphics in processor and " memory Supports with a India graph with a staph of the staph of	Graphics			ioc in nr										MicroSD card reader Two USB 3.1 Gen 1 (one Always On).
Chipset Memory Intell SoC (System on Chip) platorm (SGB or 16GB max / 266MHz DDR4, dual-channel capable, SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Monitor cable (platoria) HDM to VGA. Contor Value (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Display Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Type Surface (SGB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket induitation Size Resolution Size Resolutin Size Resolutin <td< td=""><td>Graphics</td><td colspan="10">Intel UHD Graphics in processor and NVIDIA® GeForce® MX330, 2GB GDDR5 memory; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4096x2160@24Hz),</td><td>onitors</td><td></td><td>one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headbhone / microphone combo iack. optional smart card reader.</td></td<>	Graphics	Intel UHD Graphics in processor and NVIDIA® GeForce® MX330, 2GB GDDR5 memory; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4096x2160@24Hz),										onitors		one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headbhone / microphone combo iack. optional smart card reader.
Display Size Resolution Type Surface Touch Bright Aspect (Contrast Color Viewing (Gamut Angle 15.6° FHD (1920x1080) IPS Anti-grame 250 nits 16.9 800.1 45% 170° Lis.6° FHD (1920x1080) IPS Anti-grame Multi-touch 45% 170° Multi-touch (opt) 15.6° FHD (1920x1080) IPS Anti-grame 500 nits 16.9 800.1 45% 170° Keyboard Forw, spill-resistant, multimedia Fnew, spill-resistant, multimedia Fnew spi	Chipset Memory	40GE 8GB	40GB or 48GB max / 2666MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket								M sock	et	(optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter
 How Provided Prov	<u> </u>	* Insta	alled memory	is actual	ly 320	00MHz but	run at 2							
15.6° FHD (1920x1080) IPS Anti-glare 250 nits 16:9 800:1 45% 170° Audio support HD Audio, Realtek* ALC3287 codec / Dolby* Audio speaker system, ZW x 2 / optional dual array far-field microphone, headphone, Cmicophone, Padphone, Pad	Display	Size	Resolution	Тур	Туре	Surface	Touch		Aspect Ratio					
Intel Vision (intermediate for the product of the		15.6"	FHD (1920x1	080)	IPS	Anti-glare	-	250 nits	16:9	800:1	45%	170°	Audio support	HD Audio, Realtek [®] ALC3287 codec / Dolby [®] Audio speaker system, 2W x 2 /
Multi-touch (opt) (JHD (3840x2160) Dolby Vision™ IPS Anti-glare		15.6"	FHD (1920x1	080)	IPS	Anti-glare		300 nits	16:9	800:1	45%	170°	Keyboard	
Multi-fold(n(pt)) Ch-cell touch, supports 10-finger gesture Security chip Firmware TPM 2.0 integrated in chipset Storage M.2 2280 SSD / PCle NVMe, PCle 3.0 x 4 Discrete TPM 2.0 integrated in chipset Multi-fold(n(pt)) M.2 2280, SSD / PCle NVMe, PCle 3.0 x 2 Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCle NVMe 3.0 x 4 System Mgt (opt) Optical Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) VPro model: Intel Ethernet Connection I219-V (Jacksonville) WLAN + Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 Multi-AX201 card supports B75.1 but is limited to BT5.0 by Windows OS WWAN (optional) Wireless WAN upgradable AC adapter 65W USB-C AC adapter Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card 65W USB-C Slim AC adapter Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card 1-year depot vitin 2-year system board repair service SIM card (opt) Gemaito eSIM Card 1-year depot vitin 2-year system board repair service 1-year depot vitinde service 3-year/1-yr battery depot repair service 2-year /1-yr battery depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery depot repair service 1-year t 2-year depot vitinited onsi		15.6"	HDR400,	<i>'</i>	IPS	Anti-glare	-	500 nits	16:9	1400:1	100%	170°		TrackPoint®pointing device and buttonless Mylar surface multi-touch touchpad
Storage • M.2 2280 SSD/ PCIe NVMe, PCIe 3.0 x 4 • M.2 2280, SSD/ PCIe NVMe, PCIe 3.0 x 4 • M.2 2280, PCIe NVMe, PCIe 3.0 x 2 • Intel Optane [™] Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 System Mgt (opt) Intel VFo Technology Ethernet Non-VPro model: Intel Ethernet Connection I219-V (Jacksonville) VPro model: Intel Ethernet Connection I219-UM (Jacksonville) None WLAN + Intel NFI 6 AX201, wir-Fi 2X2 802.11ax + Bluetooth 5.0 Battery Bluetooth [™] * Intel AX201 card supports BT5.1 but is limited to BT5.0 by Windows OS WWAN (optional) • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L80-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L80-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L80-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L80-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L80-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L80-GL, MI	Multi-touch (opt)	On-c	,		 s 10-finaer aest		ure							Firmware TPM 2.0 integrated in chipset
Optical None Integrated None of Minutes Charge up to 80% in 1hr) with 65W AC adapter Ethernet Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) Max battery life Max battery life WLAN + Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 Max battery life varies significantly with settings, usage, & other factors Bluetooth™ * Intel AX201 card supports B75.1 but is limited to B75.0 by Windows OS AC adapter WWAN (optional) • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIXO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, MIMO 2x2, M.2 card • Operating system Optional: Windows® 10 Home 64 or Windows 10 Pro 64 Limited warranty • 1-year depot repair service • 1-year depot with 2-year system board repair service SIM card (opt) Gematto eSIM Card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • 1-year depot repair service • 1-year depot with 2-year depot with 2-year system board repair service • 1-year depot with 2-year system board repair service • 1-year + 2-year depot with 2-year depot repair service • 1-year + 2-year depot repair service • 1-year + 2-year depot repair service • 3-year/1-yr battery depot repair service	Storage	M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 Intel Optane™ Memory H10 with Solid State Storage.											Fingerprint reade	Intel vPro Technology r <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest Near Field Communication
Ethernet Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) Max battery life MobileMark ² 2014: 15.26 hr MobileMark 2018: 9.86 hr WLAN + Bluetooth™ Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 * Intel AX201 card supports BT5.1 but is limited to BT5.0 by Windows OS AC adapter Battery life varies significantly with settings, usage, & other factors * Battery life varies significantly with settings, usage, & other factors * 65W USB-C AC adapter WWAN (optional) • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • Integrated Mobile Si NOT WWAN upgradable • Gemaito eSIM Card Optional: Windows® 10 Home 64 or Windows 10 Pro 64 SIM card (opt) Gemaito eSIM Card 1 -year depot repair service • 1-year depot repair service • 1-year 42-year limited onsite service • 1-year + 2-year depot repair service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery limited onsite service	Optical				3.0	X 4							Battery	
 WLAN + Intel WirF16 AX201, WIFF12X2 802.11 aX + Didebolin 3.0 Bluetooth™ Intel XZ01 card supports BT5.1 but is limited to BT5.0 by Windows OS WWAN (optional) Wireless WAN upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card Gemalto eSIM Card SIM card (opt) Gemalto eSIM Card Mil-Spec test Mil-Spec test<td>Ethernet</td><td colspan="11">Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)</td><td>Max battery life</td><td rowspan="2">battery life MobileMark[®] 2014: 15.26 hr MobileMark 2018: 9.86 hr dapter * Battery life varies significantly with settings, usage, & other factors • 45W USB-C AC adapter</td>	Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)											Max battery life	battery life MobileMark [®] 2014: 15.26 hr MobileMark 2018: 9.86 hr dapter * Battery life varies significantly with settings, usage, & other factors • 45W USB-C AC adapter
WWAN (optional) • Wireless WAN upgradable • Mil-Spec test • 65W USB-C slim AC adapter • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card • 65W USB-C slim AC adapter • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card • 65W USB-C slim AC adapter • SIM card (opt) • Gemalto eSIM Card • 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year depot repair service • 1-year + 2-year limited onsite service • 1-year + 2-year limited onsite service • 1-year / 1-yr battery depot repair service • 3-year/1-yr battery limited onsite service	WLAN + Bluetooth™	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802,11ax + Bluetooth 5.0											AC adapter	
 Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i> Gemalto eSIM Card Imited warranty I-year depot repair service I-year limited onsite service I-year limited onsite service I-year + 2-year lim	WWAN (optional)													
SIM card (opt) Gemalto eSIM Card 1-year depot with 2-year system board repair service 1-year limited onsite service 1-year + 2-year depot repair service 1-year + 2-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service Mil-Spec test Mil-STD-810G military testing Environment EPEAT™ Gold; ENERGY STAR® 8.0; RoHS-compliant													Operating system	n Optional: Windows [®] 10 Home 64 or Windows 10 Pro 64
Environment EPEAT™ Gold; ENERGY STAR® 8.0; RoHS-compliant	SIM card <i>(opt)</i>				nean	s the mode	el is NO	T WWAN I	ıpgrada.	ble			Limited warranty	 1-year depot with 2-year system board repair service 1-year limited onsite service 1-year + 2-year depot repair service 1-year + 2-year limited onsite service 3-year/1-yr battery depot repair service
													Mil-Spec test	, , , , , , , , , , , , , , , , , , , ,
													Environment	EPEAT™ Gold; ENERGY STAR [®] 8.0; RoHS-compliant

Note: The specifications above may not be available in all regions.

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