

# ThinkPad T15p Gen 1 20TN0018MZ

**Product**

ThinkPad T15p Gen 1

**Region**

WE

**Country/Region**

Switzerland

**Machine Type**

20TN

**TopSeller**

TopSeller

**Processor**

Intel Core i7-10750H (6C / 12T, 2.6 / 5.0GHz, 12MB)

**Graphics**

NVIDIA GeForce GTX 1050 3GB GDDR5

**Chipset**

Intel WM490

**Memory**

1x 32GB SO-DIMM DDR4-2933

**Storage**

1TB SSD M.2 2280 PCIe NVMe Opal2

**RAID**

No

**Display**

15.6" UHD (3840x2160) WVA 600nits Anti-glare, HDR 400, Dolby Vision

**Touchscreen**

None

**Media Reader**

SD Reader

**Ethernet**

100/1000M

**Optical**

None

**WLAN + Bluetooth**

Intel AX201 11ax, 2x2 + BT5.1

**WWAN**

WWAN Upgradable

**SIM Card**

None

**Smart Card Reader**

Smart Card Reader

**Monitor Cable**

None

**Case Material**

PC / ABS (Top), PC / ABS (Bottom)

**Bundled Accessories**

None

**Camera**

720p + IR with ThinkShutter

**Microphone**

2x, Array

**Color**

Black

**Keyboard**

Backlit, Swiss

**Fingerprint Reader**

Touch Style, Match-on-Chip

**NFC**

None

**TPM**

Discrete TPM 2.0

**Battery**

Integrated 68Wh

**Power Adapter**

135W Slim Tip

**System Management**

None

**Operating System**

Windows 10 Pro 64, WE (EN/FR/DE/NL/IT)

**Bundled Software**

None

**Base Warranty**

3-year, Depot

**Bundled Service**

None

**EAN / UPC / JAN**

0195235152782

**End of Support**

2027-03-04

**Announce Date**

2020-08-04

**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 T15p Gen 1 Platform Specifications

Product Specifications Reference (PSREF)



Processor	10th Generation Intel® Core™ i5 / i7 Processor										Dimensions	WxDxH: 14.43" x 9.84" x 0.89"; 366.5mm x 250mm x 22.7mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 4.57 lb / 2.07 kg			
	i5-10300H	4	8	2.5 GHz	4.5 GHz	8MB	DDR4-2933	Intel UHD Graphics	Case color	Black			
	i5-10400H			2.6 GHz	4.6 GHz	8MB			Case material	Display cover: PC/ABS plastic			
	i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB			Smart card reader	Optional: Smart card reader			
	i7-10850H			2.7 GHz	5.1 GHz	12MB			Media reader	SD card reader, supports UHS-II SD card			
	i7-10875H	8	16	2.3 GHz	5.1 GHz	16MB	Ports	Two USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of Power Delivery and DisplayPort 1.2), HDMI 2.0, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, SD card reader, security keyhole					
Graphics	Intel UHD Graphics in processor only or Intel UHD Graphics in processor and NVIDIA® GeForce® GTX 1050, 3GB GDDR5 memory; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4K@60Hz) or Thunderbolt (up to 5K@60Hz)										Monitor cable (optional)	<ul style="list-style-type: none"> <li>• Lenovo HDMI to VGA Monitor Adapter</li> <li>• Lenovo USB-C to VGA Adapter</li> <li>• Lenovo USB-C to DisplayPort Adapter</li> </ul>	
Chipset Memory	Intel WM490 Chipset 64GB max / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * Installed memory is actually 3200MHz but run at 2933MHz due to Intel limitation										Bundled Accy	None	
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Camera (optional)	<ul style="list-style-type: none"> <li>• HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>	
	15.6"	FHD (1920x1080)	WVA	Anti-glare	-	250 nits	16:9	700:1	45%	170°	Audio support	HD Audio, Realtek® ALC3287 codec / Dolby® Audio speaker system, 2W x 2 / optional dual array microphone, headphone / microphone combo jack	
	15.6"	FHD (1920x1080)	WVA	Anti-glare	Multi-touch	300 nits	16:9	800:1	45%	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
	15.6"	UHD (3840x2160) HDR400, Dolby Vision™	WVA	Anti-glare	-	600 nits	16:9	1400:1	100%	178°	UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Multi-touch (opt)	On-cell touch, supports 10-finger gesture										Security	Power-on password, hard disk password, supervisor password, security keyhole	
Storage	Up to two M.2 SSD M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4										Security chip	Discrete TPM 2.0 TCG Certified	
RAID (optional)	RAID 0/1 support										System Mgt (opt)	Intel vPro Technology	
Optical	None										Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest	
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)										NFC	None	
WLAN + BT	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1										Battery	Integrated Li-Polymer 68Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter	
WWAN (optional)	<ul style="list-style-type: none"> <li>• Wireless WAN upgradable</li> <li>• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul> * For non-WWAN model, it means the model is NOT WWAN upgradable										Max battery life	MobileMark® 2014: 12.1 hr MobileMark 2018: 7.9 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors	
SIM card	None										AC adapter	135W slim tip AC adapter	
											Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64	
											Limited warranty (optional)	<ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 1-year depot with 2-year system board repair service</li> <li>• 1-year limited onsite service</li> <li>• 1-year + 2-year depot repair service</li> <li>• 1-year + 2-year limited onsite service</li> <li>• 3-year/1-yr battery depot repair service</li> <li>• 3-year/1-yr battery limited onsite service</li> </ul>	
											Mil-Spec test	MIL-STD-810G military testing	
											Environment	EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant	

Note: The specifications above may not be available in all regions and might change by regions.

Lenovo  
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