## ThinkPad P15 Gen 1 Platform Specifications

	Supp	orts one 10th	Xeor	ı W, Co	re i9, i	7, or i	5 process	or as fo	ollowing:			S		
	Processor Number		# of Cores	# of Thread	ds Frequ	ise Jency	Max Turbo Frequency	Cache	Memory Types		ocessor raphics			
	Xeon W-10885M		8	16	2.40	GHz	5.3GHz	16MB	DDR4-29		el UHD aphics	V C		
	Xeon W-10855M		6	12	2.80	GHz	5.1GHz	12MB	DDR4-29		el UHD aphics	C		
Processor	Core i9-10980HK		8	16	2.40	GHz	5.3GHz	16MB	DDR4-29		el UHD aphics	N		
	Core i9-10885H		8	16	2.40	GHz	5.3GHz	16MB	DDR4-29		el UHD aphics	s		
	Core i7-10875H		8	16	2.30	GHz	5.1GHz	16MB	DDR4-29		el UHD aphics	c		
	Core i7-10850H		6	12	2.70	GHz	5.1GHz	12MB	DDR4-29		el UHD aphics			
	Core i7-10750H		6	12	2.60	GHz	5.0GHz	12MB	DDR4-29		el UHD aphics	N		
	Core i5-10400H		4	8	2.60	GHz	4.6GHz	8MB	DDR4-29		el UHD aphics	N		
Chipset		WM490 Chip										В		
Memory Type	SO-DIMM. DDR4-3200 for non-ECC, DDR4-2933 for ECC. Operates at DDR4-2933. 8GB/16GB/32GB available for both ECC and non-ECC									c				
Memory Sockets		MM socket										╟		
Memory Protection														
Max Memory	128GB Support one of the following discrete graphics:													
Graphics	• NVI • NVI • NVI	IDIA Quadro IDIA Quadro IDIA Quadro	ort one of the following discrete graphics: DIA Quadro T1000, 4GB GDDR6 memory DIA Quadro T2000, 4GB GDDR6 memory DIA Quadro RTX 3000, 6GB GDDR6 memory											
		NVIDIA Quadro RTX 4000 with Max-Q Design, 8GB GDDR6 memory     NVIDIA Quadro RTX 5000 with Max-Q Design, 16GB GDDR6 memory												
	INV	DIA Quadro	HIAD	000 WI	<u>III IVIAX</u>	-Q D6	<u> </u>		1		\ /:i	S		
Display	Size	Resolution	1	ype S	Surface	Touch	Brightness	Aspec Ratio		Color Gamut	Viewing Angle	S		
	15.6"	FHD (1920x10	- 1	VVA Ar	nti-glare	-	300 nits	16:9	700:1	72% NTSC	160°	S		
	15.6"	FHD (1920x1080) Dolby Vision, HDR 400		VVA Ar	nti-glare	-	500 nits	16:9	1200:1	72% NTSC	160°	В		
	15.6"	UHD (3840x21 Dolby Vision, HDR 400	160) V	VVA Ar	nti-glare	-	600 nits	16:9	1400:1	100% Adobe	178°	M		
	15.6"	UHD (3840x21 Dolby Vision, HDR 400	160) O	LED /	Anti- flection / Anti- mudge	multi- touch		16:9	100000:1	100% DCI- P3	170°	P		
Color Calibration		ory Color Cali										$\ c\ $		
Touchscreen		h enable on s			OLED	) mod	els, suppo	rts 10-	finger ges	ture		]		
Pen		onal Lenovo F										1		
Storage	Up to	two M.2 228	122 O	D, PCIe	NVMe	, 256	GB / 5120	B / 1T	B / 2TB ea	ach				
RAID	_	0 / 1 suppor	t											
Optical	None													
Ethernet	One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models								В					
NFC	None													
WLAN + Bluetooth	Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1.								N					
WWAN	One of the following, configurable by model:  No WWAN card and non ungradable							E						
	Note: I	vvvVAN cannot be	support	ed on UF	HD WVA I	nodels						]		

٦	SIM card	Optional Nano-SIM card slot
or	L	Width: 375.4 mm (14.78 in). Depth: 252.3 mm (9.93 in).
Dimensions		Thickness for non-touch models: 24.5 ~ 31.45 mm (0.96 ~ 1.24 in)
		Thickness for touch models: 25.25 ~ 32.2mm (0.99 ~ 1.27 in)
D s D	Weight	Starting at 2.74 kg (6.05 lb, FHD)
	Case color	Black
s	Case material	Display cover: GFRP 50% (PPS695 + GF 50%).
		Bottom: PPS + GF
D	Media reader	SD card reader
s		1x USB-C (USB 3.2 Gen 1, PD, DP), 2x Thunderbolt (USB-C form, Thunderbolt
D	Standard Ports	3, USB 3.2 Gen 2, PD, DP), 2x USB-A 3.2 Gen 1 (one Always-on), 1x HDMI
s		2.0, 1x headphone / microphone combo jack, 1x SD card reader,
D∥		1x security keyhole, 1x RJ-45
s	Optional Ports	One optional smart card reader on right, one optional Nano-SIM card slot on
D∥		left
s ∥		Up to 5 displays with 4 external monitors plus system LCD screen. External monitors supported via 1x USB-C, 2x Thunderbolt, and 1x HDMI.
D	Monitor support	USB-C and HDMI support up to 4K@60Hz.
s	INIOTHOL Support	With Thunderbolt, one supports up to 5K@60Hz and one supports up to
D		4K@60Hz
- 11	Monitor cable	Optional HDMI to VGA, USB-C to DP, or USB-C to VGA adapters
긕	Bundled Accy	None
_	Duriuleu Accy	
33.	Camera	Supports one optional camera as following:
4	Calliela	<ul> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>Hybrid IR camera with ThinkShutter camera privacy, fixed focus</li> </ul>
_	Audio chip	Realtek ALC3286 codec
	<u> </u>	
	Speaker	Stereo speakers, Dolby Atmos sound system
	Microphone	Optional dual array far-field microphone
	Keyboard	6-row, spill-resistant, LED backlight, numeric keypad, multimedia Fn keys with Unified Communications controls.
		3-button TrackPoint pointing device and 2-button Mylar surface multi-touch
	UltraNav	touchpad
	Password	Power-on password, hard disk password, supervisor password
_	Security chip	Discrete TPM 2.0, TCG Certified, may be disabled in some regions
ng		, , ,
е	System mgmt	Optional Intel vPro Technology supported on vPro enable models
.	Security locks	Security keyhole for optional Kensington lock
	Smart card reader	
$\neg$	Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
	Battery	Integrated Li-Polymer 94Wh battery. Supports Rapid Charge (charge up to 80% in 1hr) with 230W AC adapter
$\neg$	Marris and Pr	MobileMark 2014: 16.4 hr.
·	Max battery life	MobileMark 2018: 10.3 hr
_		* Battery life varies significantly with hardware configurations, settings, usage, & other factors
Power Ad	Power Adapter	One of the following:
	i owei Adaptei	• 230W slim AC adapter
1		<ul> <li>170W slim AC adapter</li> <li>Supports one optional preloaded operating system as following:</li> </ul>
		• Windows 10 Home 64
$\dashv$	On a wation or a conta	• Windows 10 Pro 64
$\dashv$	Operating system	Windows 10 Pro 64 for Workstations
$\dashv$		Ubuntu Linux LTS
$\dashv$		• Fedora Linux
		Optional warranty plans as following:
٦		1-year depot repair service
$\neg$		3-year depot repair service
els	Base Warranty	1-year + 2-year depot repair service
-	Dase wallality	1-year limited onsite service
$\dashv$		3-year limited onsite service
$\dashv$		1-year + 2-year limited onsite service
1		1-year depot with 2-year system board repair service
	MAIL On a section of	
$\dashv$	Mil-Spec test	MIL-STD-810G military testing
	Environment	EPEAT Silver. ENERGY STAR 8.0. RoHS-compliant