ThinkPad P17 Gen 1 Platform Specifications

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	Supp	orts one 10th	Xeon	W, Cor	e i9, i7	, or i	5 process	or as fo	ollowing:			D
	Processor Number		# of Cores	# of Threads	Ba: Frequ		Max Turbo Frequency	Cache	Memory Types		ocessor raphics	W
Processor	Xeon W-10885M		8	16	2.40	ìΗz	5.3GHz	16MB	DDR4-29		el UHD aphics	C
	Xeon W-10855M		6	12	2.80	ìНz	5.1GHz	12MB	DDR4-29		el UHD aphics	М
	Core i9-10980HK		8	16	2.40	ìНz	5.3GHz	16MB	DDR4-29		el UHD aphics	S
	Core i9-10885H		8	16	2.40	ìНz	5.3GHz	16MB	DDR4-29		el UHD aphics	0
	Core i7-10875H		8	16	2.30	ìНz	5.1GHz	16MB	DDR4-29		el UHD aphics	
	Core i7-10850H		6	12	2.70	ìНz	5.1GHz	12MB	DDR4-29		el UHD aphics	М
	Core	ore i7-10750H 6 1:		12	2.6GHz		5.0GHz	12MB	DDR4-29		el UHD aphics	M
	Core	i5-10400H	4	8	2.60	ìНz	4.6GHz	8MB	DDR4-29		el UHD aphics	B
Chipset	Intel	WM490 Chip	set									Aı
Memory Type	SO-DIMM. DDR4-3200 for non-ECC, DDR4-2933 for ECC. ECC and non-ECC							S				
Memory Sockets	4 DIN	MM sockets										K
	ECC on models with ECC Divinis and Xeon processor											
Max Memory	128G											IJυ
Graphics	NVIDIA Quadro T2000, 4GB GDDR6 memory NVIDIA Quadro RTX 3000, 6GB GDDR6 memory NVIDIA Quadro RTX 4000 with Max-Q Design, 8GB GDDR6 memory							Pi Si Si Si Si Si				
Display	Size	Resolution	Т	ype Su	rface	Touch	Brightness	Aspec Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Fi
	17.3"	FHD (1920x10	980) V	VVA Ant	-glare	-	300 nits	16:9	700:1	72% NTSC	160°	B _i
	17.3"	UHD (3840x21 Dolby Vision, HDR 400	(160) V	VVA Ant	-glare	-	500 nits	16:9	1500:1	100% Adobe	178°	Po
Color Calibration		ory Color Cali	bratior	า on UH	D pan	els						╟
Touchscreen	None							1				
Pen	None											
Storage		two M.2 228), PCIe	VVMe.	256	GB / 5120	3B / 1T	B / 2TB ea	ach		1
RAID		0 / 1 suppor	t									╟
Optical	None							1				
Ethernet	One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models											
NFC	None											
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	Integrated Mobile Broadband Upgradable, No WWAN Card, WWAN Antenna Only Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card							M Ei				
SIM card		onal Nano-SIN			ULIL	:-A, r	-ibocom L	800-GI	_, 10111010 4	X4, IVI.	Z Caru	اا⊩

	Dimensions	Width: 415.44 mm (16.36 in). Depth: 280.81 mm (11.06 in).						
Weight		Thickness: 25.11~ 33.25 mm (0.99 ~ 1.31 in)						
		Starting at 3.5 kg (7.7 lb, FHD)						
1	Case color	Black Display cover: GFRP 50% (PPS695 + GF 50%).						
╝	Case material	Bottom: PPS + GF						
	Media reader	SD card reader						
	Standard Ports	1x USB-C (USB 3.2 Gen 1, PD, DP), 2x Thunderbolt (USB-C form, Thunderbolt 3, USB 3.2 Gen 2, PD, DP), 3x USB-A 3.2 Gen 1 (one Always-on), 1x HDMI 2.0, 1x headphone / microphone combo jack, 1x SD card reader, 1x security keyhole, 1x RJ-45						
Optional Ports		One optional smart card reader on right, one optional Nano-SIM card slot on left						
	Monitor support	Up to 5 displays with 4 external monitors plus system LCD screen. External monitors supported via 1x USB-C, 2x Thunderbolt, and 1x HDMI. USB-C and HDMI support up to 4K@60Hz. With Thunderbolt, one supports up to 5K@60Hz and one supports up to 4K@60Hz						
Monitor cable Bundled Accy		Optional HDMI to VGA, USB-C to DP, or USB-C to VGA adapters						
		None						
\parallel	Camera	Optional Hybrid IR camera with ThinkShutter camera privacy, fixed focus						
╛	Audio chip	Realtek ALC3286 codec						
Speaker		Stereo speakers, Dolby Atmos sound system						
4	Microphone	Optional dual array far-field microphone						
	Keyboard	6-row, spill-resistant, LED backlight, numeric keypad, multimedia Fn keys with Unified Communications controls						
$\frac{1}{2}$	UltraNav	3-button TrackPoint pointing device and 2-button 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							
Fingerprint read		Touch style match on chip fingerprint reader on the palm rest						
1		Integrated Li-Polymer 94Wh battery. Supports Rapid Charge (charge up to 80% in 1hr) with 230W AC adapter						
		MobileMark 2014: 14.6 hr. MobileMark 2018: 9.75 hr. *Battery life varies significantly with hardware configurations, settings, usage, & other factors						
		One of the following: • 230W slim AC adapter • 170W slim AC adapter						
	Operating system	Supports one optional preloaded operating system as following: • Windows 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations • Ubuntu Linux LTS						
3		Optional warranty plans as following: 1-year depot repair service 3-year depot repair service 1-year + 2-year depot repair service 1-year limited onsite service						
		3-year limited onsite service 1-year + 2-year limited onsite service 1-year depot with 2-year system board repair service						
		MIL-STD-810G military testing						
		EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant						
\dashv	ISV certifications	Please visit <u>www.thinkworkstations.com/isv-certifications/</u>						
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