ThinkPad P1 Gen 3 Platform Specifications

	Supports one 10t	h Xeon	W Core	i9 i7 or	5 process	or as fo	llowing:				Woven Carbon Fiber Finish (standard on OLED models, optional on UHD WVA
	Supports one 10th Xeon W, Core i9, i7, or i5 processor as following:									Case color	models) or black
Processor	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Gra	cessor aphics	Case material	Display cover: Carbon Fiber (Black or woven pattern) + PC + PPS Hybrid Bottom: Aluminum + PC / ABS
	Xeon W-10855M	6	12	2.8GHz	5.1GHz	12MB	DDR4-293		I UHD phics	Media reader	SD card reader 2x Thunderbolt (USB-C form, Thunderbolt 3, USB 3.2 Gen 2, PD, DP),
	Core i9-10885H	8	16	2.4GHz	5.3GHz	16MB	DDR4-293		UHD	Standard Ports	2x USB-A 3.2 Gen 1 (one Always-on), 1x HDMI 2.0, 1x headphone / micro- phone combo jack, 1x SD card reader, 1x security keyhole
	Core i7-10875H	8	16	2.3GHz	5.1GHz	16MB	DDR4-293	, Inte	I UHD	Optional Ports	One optional Nano-SIM card slot on right Up to 4 displays with 3 external monitors plus system LCD screen. External
	Core i7-10850H	6	12	2.7GHz	5.1GHz	12MB	DDR4-293	Inte	Intel UHD Graphics	Monitor support	monitors supported via 2x Thunderbolt and 1x HDMI. HDMI supports up to 4K@60Hz.
	Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-293	Inte	UHD	Monitor cable	Two Thunderbolt support up to 5K@60Hz each Optional HDMI to VGA. USB-C to DP. or USB-C to VGA adapters
Chinaat								Gra	phics	Bundled Accy	None
Chipset	Intel WM490 Chipset										Supports one optional camera as following:
Memory Type	SO-DIMM. DDR4-3200 for non-ECC, DDR4-2933 for ECC. Both ECC and non-ECC memory operate at DDR4-2933.									Camera	 HD720p camera with ThinkShutter camera privacy, fixed focus Hybrid IR camera with ThinkShutter camera privacy, fixed focus
Manaan Caaliata	8GB/16GB/32GB available for both ECC and non-ECC									Audio chip	Realtek ALC3286 codec
Memory Sockets	2 DIMM socket									Speaker	Stereo speakers, Dolby ATMOS Speaker System
	on ECC on models with ECC DIMMs and Xeon processor									Microphone	Optional dual far-field microphone
Max Memory	64GB Intel UHD Graphics in processor plus one of the following discrete graphics:									Keyboard	6-row, spill-resistant, LED backlight, multimedia Fn keys with Unified Communi- cations controls.
Graphics	 NVIDIA Quadro T1000 with Max-Q Design, 4GB GDDR6 memory NVIDIA Quadro T2000 with Max-Q Design, 4GB GDDR6 memory 									UltraNav	3-button TrackPoint pointing device and 2-button glass surface multi-touch touchpad
Display	Size Resolution		vpe Sur	ace Touch	Brightness		t Contrast				Power-on password, hard disk password, supervisor password
	Size Resolution		pe Sunac	ace iouci	Digitites	Ratio	Ratio	Gamut	Angle	Security chip	Discrete TPM 2.0, TCG Certified, may be disabled in some regions
		1080) W\						72% NTSC 72%	170°	System mgmt	Optional Intel vPro Technology supported on vPro enable models
	15.6" FHD (1920x		/VA Anti-	glare -	300 nits		700:1			Security locks	Security keyhole for optional Kensington lock
										Smart card reader	r None
	4 FHD (1920x1	080)	A/1/A A		500 mite		000.1			Fingerprint reader	r Touch style match on chip fingerprint reader on the palm rest
	15.6" Dolby Vision I 15.6" UHD (3840x2		/VA Anti-		500 nits	16:9		NTSC	170°	Battery	Integrated Li-Polymer 80Wh battery. Supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter
	Dolby Vision I	IDR	/VA Anti-	<u> </u>	600 nits	16:9	1400:1	Adobe	178°	Max battery life	MobileMark 2014: 15.9 hr. MobileMark 2018: 12 hr
	UHD (3840x2 15.6" Dolby Vision, 500 True Blac	HDŔ O		ction multi	540 nits	16:9		100% DCI- P3	170°	,	"Battery life varies significantly with hardware configurations, settings, usage, & other factors One of the following:
	500 True Blac		smud	dge	(peak)					Power Adapter	 135W slim AC adapter
Color Calibration	Factory Color Calibration on UHD panels										170W slim AC adapter
Touchscreen	Touch enable on selected UHD OLED models, supports 10-finger gesture										Supports one optional preloaded operating system as following:
Pen	Optional Lenovo Pen Pro									Operating system	Windows 10 Home 64 Windows 10 Pro 64
Storage	Up to two M.2 2280 SSD, PCIe NVMe, 256GB / 512GB / 1TB / 2TB each										
RAID	RAID 0 / 1 support										Windows 10 Government Edition 64
Optical	None										Ubuntu Linux LTS (available later)
Ethernet	Lenovo USB-C to Ethernet Adapter									1	Fedora Linux (available later)
NFC	None									1	Optional warranty plans as following:
WLAN + Bluetooth	Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1.										 Non-warranty (special bids only) 1-year depot repair service
	Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above)								ve)		 3-year depot repair service
	One of the following, configurable by model: • No WWAN card and non upgradable									Base Warranty	 1-year + 2-year depot repair service 1-year limited onsite service
	 Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card 								card		• 3-year limited onsite service
SIM card	Optional Nano-SIM card slot									-1	• 1-year + 2-year limited onsite service
Dimension	Width: 361.8 mm (14.24 in). Depth: 245.7 mm (9.67 in).										 1-year depot with 2-year system board repair service
Dimensions	Thickness for non-touch models: 18.4 mm (0.72 in) Thickness for touch models: 18.7 mm (0.74 in)									Mil-Spec test	MIL-STD-810G military testing
Weight	Starting at 1.7 kg					07 lb		rh)		Environment	EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant
IN A CIUIT	Jotan ing at 1.7 Kg	(J./JI	ח שרוח ,ט	on-louch)	/ 1.0 Ky (3	. <i>31</i> ID,		<i>.</i>)		ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/