ThinkPad P17 Gen 1 20SN004PUS

Product

ThinkPad P17 Gen 1

Region

NA

Country/Region

USA

Machine Type

20SN

TopSeller

TopSeller

Processor

Intel Core i7-10850H (6C / 12T, 2.7 / 5.1GHz, 12MB)

Graphics

NVIDIA Quadro T2000 4GB GDDR6

Chipset

Intel WM490

Memory

1x 16GB SO-DIMM DDR4-3200 Non-ECC

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

Display

17.3" FHD (1920x1080) IPS 300nits Anti-glare, 72% Gamut

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

None

Monitor Cable

None

Case Material

Top: GFRP 50% (PPS695 + GF 50%) Bottom: PPS + GF

Bundled Accessories

None

Camera

720p + IR with ThinkShutter

Microphone

2x, Array

Color

Black

Keyboard

Backlit, English

Fingerprint Reader
Touch Style, Match-on-Chip

NFC

None

TPM

Discrete TPM 2.0

Battery

Integrated 94Wh

Power Adapter 170W Slim Tip

System Management

Intel vPro. DASH

Operating System

Windows 10 Pro 64, English

Bundled Software

None

Base Warrantv

3-year, Depot

Bundled Service

3Y Premier Support Upgrade from 3Y Depot/CCI (5WS0V07092)

EAN/UPC/JAN

195235984918

End of Support

2027-02-28

Announce Date

2020-08-11

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.

California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to:

https://www.calrecycle.ca.gov/Electronics/Consumer



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	i9. i7. or i	5 processo	or as following:				15	Width: 415.44 mm (16.36 in). Depth: 280.81 mm (11.06 in).			
	Supports one 10th Xeon W, Core i9, i7, or i5 processor as following:									Dimensions	Thickness: 25.11~ 33.25 mm (0.99 ~ 1.31 in)
	Processor Number	# of	# of	Base	Max Turbo		Memory		cessor	Weight	Starting at 3.5 kg (7.7 lb, FHD)
		Cores	inreads	Frequency	Frequency		Types	_	aphics	Case color	Black
	Xeon W-10885M	8	16	2.4GHz	5.3GHz	16MB	DDR4-293	Gra	el UHD aphics	Case material	Display cover: GFRP 50% (PPS695 + GF 50%). Bottom: PPS + GF
	Xeon W-10855M	6	12	2.8GHz	5.1GHz	12MB	DDR4-293		UHD aphics	Media reader	SD card reader 1x USB-C (USB 3.2 Gen 1, PD, DP), 2x Thunderbolt (USB-C form, Thunderbolt
D	Core i9-10980HK	8	16	2.4GHz	5.3GHz	16MB	DDR4-293	Gra	UHD aphics	Standard Ports	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,
Processor	Core i9-10885H	8	16	2.4GHz	5.3GHz	16MB	DDR4-293		I UHD aphics	Optional Ports	1x security keyhole, 1x RJ-45 One optional smart card reader on right, one optional Nano-SIM card slot on
	Core i7-10875H	8	16	2.3GHz	5.1GHz	16MB	DDR4-293	3.3	UHD aphics	<u>'</u>	left Up to 5 displays with 4 external monitors plus system LCD screen. External
	Core i7-10850H	6	12	2.7GHz	5.1GHz	12MB	DDR4-293	Inte	UHD aphics		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
	Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-293	Inte	UHD aphics	Monitor cable	With Thunderbott, one supports up to 5K@60Hz and one supports up to 4K@60Hz Optional HDMI to VGA, USB-C to DP, or USB-C to VGA adapters
		<u> </u>		0.55.	4.55.	100.00		Into	I UHD	Bundled Accy	None
	Core i5-10400H	4	8	2.6GHz	4.6GHz	8MB	DDR4-293		aphics	Camera	Optional Hybrid IR camera with ThinkShutter camera privacy, fixed focus
Chipset	Intel WM490 Chipset								₁ 55	Audio chip	Realtek ALC3286 codec
			or non-F	CC. DDR	1-2933 for	ECC F	ECC and no	on-FC	<u>C</u>	Speaker	Stereo speakers, Dolby Atmos sound system
Memory Type	SO-DIMM. DDR4-3200 for non-ECC, DDR4-2933 for ECC. ECC and non-ECC operate at DDR4-2933. 8GB/16GB/32GB available for both ECC and non-ECC									Microphone	Optional dual array far-field microphone
	4 DIMM sockets									'	6-row, spill-resistant, LED backlight, numeric keypad, multimedia Fn keys with
	ection ECC on models with ECC DIMMs and Xeon processor									Keyboard	Unified Communications controls
Max Memory	10000									UltraNav	3-button TrackPoint pointing device and 2-button Mylar surface multi-touch
, , , , , , , , , , , , , , , , , , ,	Support one of the following discrete graphics:										touchpad Power on paccword, hard disk paccword, supervisor paccword
	NVIDIA Quadro T1000, 4GB GDDR6 memory									Password Security chip	Power-on password, hard disk password, supervisor password
Graphics	NVIDIA Quadro T2000, 4GB GDDR6 memory NVIDIA Quadro BTX 2000, 6GB GDDR6 memory									Security chip System mgmt	Discrete TPM 2.0, TCG Certified, may be disabled in some regions Optional Intel vPro Technology supported on vPro enable models
_	NVIDIA 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									Security locks	Security keyhole for optional Kensington lock
										Smart card reader	
	Aspect Contract Color Visuing								Viewing	Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
Display	Size Resolution	1	ype Surf	face Touch	Brightness	Ratio	Ratio		Angle	Battery	Integrated Li-Polymer 94Wh battery. Supports Rapid Charge (charge up to 80% lin 1hr) with 230W AC adapter
	17.3" FHD (1920x10)80) N	VVA Anti-	-glare -	300 nits	16:9	700:1	72% NTSC	160°	Max battery life	MobileMark 2014: 14.6 hr. MobileMark 2018: 9.75 hr.
	17.3" UHD (3840x2 Dolby Vision, HDR 400		VVA Anti-	glare -	500 nits	16:9		100% Adobe	178°	Power Adapter	* Battery life varies significantly with hardware configurations, settings, usage, & other factors One of the following:
Color Calibration	Factory Color Calibration on UHD panels									1	170W slim AC adapter Supports and actional prolocated appraising system as following:
Touchscreen	None									1	Supports one optional preloaded operating system as following: • Windows 10 Home 64
Pen										Operating system	• Windows 10 Home 64 • Windows 10 Pro 64
Storage		30 SSF), PCIe N	VMe. 256	GB / 512G	iB / 1TI	B / 2TB ea	ch		1 2 3 2 7 5 1 5 1 1	Windows 10 Pro 64 for Workstations
RAID	Up to two M.2 2280 SSD, PCIe NVMe, 256GB / 512GB / 1TB / 2TB each RAID 0 / 1 support									1	Ubuntu Linux LTS
Optical	None									1	Optional warranty plans as following:
Ethernet	One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models								nodels	-	1-year depot repair service 3-year depot repair service
NFC	None									Base Warranty	1-year + 2-year depot repair service 1-year limited onsite service
MI AN Divisional	Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1.									1	3-year limited onsite service
Didotootii	One of the following	Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above) One of the following, configurable by model:									1-year + 2-year limited onsite service 1-year depot with 2-year system board repair service
WWAN	No WWAN card and non upgradable									Mil-Spec test	MIL-STD-810G military testing
	 Integrated Mobile Broadband Upgradable, No WWAN Card, WWAN Antenna Only Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card 								a Only	Environment	EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant
SIM card	 Integrated Mobil Optional Nano-SII 			a LIE-A, I	-inocom L	<u>oo∪-GL</u>	<u>., iviliviO 4)</u>	14, IVI.2	card	ISV certifications	Please visit <u>www.thinkworkstations.com/isv-certifications/</u>
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ThinkPad P17 Gen 1 Platform Specifications











