ThinkPad P53 20QN000FUK

Product

ThinkPad P53

Region

WE

Country/Region

HK

Machine Type

20QN

TopSeller

TopSeller

Processor

Intel Core i7-9750H (6C / 12T, 2.6 / 4.5GHz, 12MB)

Graphics

NVIDIA Quadro T1000 4GB GDDR5

Chipset

Intel CM246

Memory

2x 8GB DIMM DDR4-2666 non-ECC

Display

15.6" FHD (1920x1080) IPS 300nits Anti-glare

Multi-touch

None

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory

None

RAID

No **Optical**

None WLAN + Bluetooth

Intel AX200 11ax, 2x2 + BT5.0

WWAN

None

SIM Card

None

Smart Card Reader

Smart Card Reader

Monitor Cable

None

Bundled Accessories

None

Color

Black

Camera

720p with ThinkShutter

Kevboard

Backlit, English (UK)

Pen

None

Fingerprint Reader

Touch Style, Match-on-Chip

NFC

None

Color Calibrator

None

TPM

Discrete TPM 2.0

Battery

Integrated 90Wh

Power Adapter

170W Slim Tip

System Management

None

Operating System

Windows 10 Pro 64, English

Bundled Software

None

Base Warranty

3-year, Depot

Bundled Service

None

End of Support

2025-08-23

Announce Date

2019-07-23

Recommended Services

Best

5Y Premier Support Upgrade from 3Y Depot/CCI (5WS0V07061)

Retter

4Y Premier Support Upgrade from 3Y Depot/CCI (5WS0V07067)

Good

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

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 P53 Platform Specifications

	<u> </u>									
Processor	9th Generation Intel® Core™ i5 / i7 / i9 Processor or Intel Xeon® E Processor								Dimensions	WxDxH (non-touch): 14.86" x 9.93" x 0.96-1.16";
	Processor # of # of Number Cores Threa		Base Ma quency Fre	ax Turbo equency Cac		mory pes				377.4mm x 252.3mm x 24.5-29.4mm WxDxH (multi-touch): 14.86" x 9.93" x 1.02-1.21";
	i5-9400H 4 8 i7-9750H 6 12 i7-9850H 6 12	2.8 2.6 2.6	GHz 4. GHz 4. GHz 4.	.3 GHz 8M .5 GHz 12M .6 GHz 12M	B IB IB DDB		tel UHD (Graphics	Weight Case color	377.4mm x 252.3mm x 25.8-30.7mm Non-touch model: starting at 5.51 lb / 2.5 kg; Multi-touch model: starting at 6.4 lb / 2.9 kg Black
	i9-9880H 8 16 E-2276M 6 12			.8 GHz 16M .7 GHz 12M	IB	_	tel UHD (Case material	Display cover: Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum
Graphics	Intel UHD Graphics 630 or P630 in processor and NVIDIA® Quadro® T1000 (4GB GDDR5), T2000 (4GB GDDR5), RTX 3000 (6GB GDDR6, VR ready), RTX 4000 (8GB GDDR6, VR ready), or RTX 5000 (16GB GDDR6, VR ready); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports five independent displays; Max resolution: 5K@60Hz (Thunderbolt); 4K@60Hz (USB-C or HDMI)								Smart card reade ExpressCard Media reader Ports	dia reader 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 2.0, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole * Power Delivery only supports power-out for charging peripherals * USB-C Dock is not supported in right-side USB-C port * Depending on many factors, actual data transfer speed may be lower than theoretical speed
Chipset Memory	Mobile Intel CM246 Chipset 128GB max / 2666MHz DDR4 (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets								Monitor cable	
Display	Size Resolution	Туре	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	(optional)	USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
	15.6" FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	700:1	72%	160°	Bundled Accy	None
	15.6" FHD (1920x1080) Dolby Vision™ HDR	IPS	Anti-glare	500 nits	16:9	1200:1	72%	160°	Camera (optional)	() One of the following, configurable by model:
	15.6" UHD (3840x2160) Dolby Vision HDR	IPS	Anti-glare	500 nits	16:9	1200:1	100%	170°	Audio support	HD720p camera with ThinkShutter camera privacy, fixed focus IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Synaptic® CX11880 codec / stereo speakers, 2W x 2 /
	UHD (3840x2160) Dolby Vision HDR, Multi-touch	OLED	Anti- reflection Anti- smudge	SDR 400nit, HDR 500nit (peak)	16:9	100000:1	100% DCI-P3	170°	 Keyboard	dual array far-field microphone, headphone / microphone combo jack, Dolby Atmos® sound system 6-row, spill-resistant, multimedia Fn keys, numeric keypad, LED backlight
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (UHD only), anti-reflection (AR), anti-smudge (AS) coating								UltraNav™ 	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad
Pen Storage	Supports pen accessory, please see the accessory compatibility for details Up to 3 drives (3x M.2 SSD or 1x HDD + 2x M.2 SSD) • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™								Security Security chip vPro (optional)	curity chip Discrete TPM 2.0, TCG Certified Intel vPro Technology
	M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 * HDD is only available for T1000 and T2000 graphics model ory Optional: Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2								Fingerprint reader Color calibration NFC (optional)	rTouch style match on chip fingerprint reader on the palm rest Optional: X-Rite Pantone factory color calibration (UHD model only) Near Field Communication
RAID (optional) Optical	RAID 0/1/5 support None								Battery Max battery life (MobileMark® 2014)	Integrated Li-ion 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr) Discrete mode: 8 hr; Hybrid mode: 13 hr * Battery life varies significantly with settings, usage, & other factors
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								AC adapter	170W or 230W slim tip AC adapter
	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Operating system	 One of the following, configurable by model: Windows® 10 Home 64 Windows 10 Pro 64
WWAN (optional)	ptional) One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable (opt) Nano-SIM card slot, optional Verizon LTE (US) SIM card								Limited warranty	Windows 10 Pro 64 for Workstations One of the following, configurable by model:
SIM card (opt)										 1-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service
									Mil-Spec test	MIL-STD-810G military testing
									Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant
Note: The specifica	ations above may not be	available	e in all regi	ons.						Lenovo









