ThinkPad P53s 20N6001NPG

Product
ThinkPad P53s

Region
WE

Country/Region
Portugal

Machine Type
20N6

TopSeller
TopSeller

Processor
Intel Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

Graphics
NVIDIA Quadro P520 2GB GDDR5

Chipset
Intel SoC Platform

Memory
8GB Soldered DDR4-2400 + 8GB SO-DIMM DDR4-2400

Storage
256GB SSD M.2 2280 PCIe NVMe Opal2

Display
15.6" FHD (1920x1080) IPS 250nits Anti-glare, 45% Gamut

Touchscreen
None

Media Reader
MicroSD Reader

Ethernet
100/1000M

Optical
None

WLAN + Bluetooth
Intel 9560 11ac, 2x2 + BT5.0

WWAN
None

SIM Card
None

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Case Material
PPS / 50% GF (Top), PA / 50% GF (Bottom)

Bundled Accessories
None

Camera
720p with ThinkShutter

Microphone
2x, Array

Color
Black

Keyboard
Backlit, Portuguese

Fingerprint Reader
Touch Style, Match-on-Chip

NFC
None

TPM
Discrete TPM 2.0

Battery
Integrated 57Wh

Power Adapter
65W USB-C

System Management
None

Operating System
Windows 10 Pro 64, Portuguese / English

Bundled Software
None

Base Warranty
3-year, Depot

Bundled Service
None

EAN / UPC / JAN
0193638039334

End of Support
2026-01-05

Announce Date
2019-06-24

Recommended Services

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

Better
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 P53s Platform Specifications

Processor

8th Generation Intel® Core™ i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i7-8565U	4	8	1.8 GHz	4.6 GHz	8MB	DDR4-2400	Intel UHD Graphics 620
i7-8665U			1.9 GHz	4.8 GHz	8MB		

Graphics

Intel UHD Graphics 620 in processor and
NVIDIA Quadro® P520, 2GB GDDR5 memory;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 3840x2160@60Hz (USB-C); 3840x2160@30Hz (HDMI)

Chipset

Intel SoC (System on Chip) platform

Memory

48GB max / 2400MHz DDR4, dual-channel capable,
8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket
** Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation*

Display

Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle
15.6"	FHD (1920x1080)	IPS	Anti-glare	250 nits	16:9	700:1	45%	170°
15.6"	UHD (3840x2160) Dolby Vision™ HDR	IPS	Anti-glare	500 nits	16:9	1200:1	100% Adobe	170°

Multi-touch *(opt)*

On-cell touch, supports 10-finger gesture (FHD only)

Pen

None

Storage

Supports single sided M.2 2280 drives only
- M.2 2280 SSD / SATA 6.0Gb/s
- M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4
- M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2
- Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4

Optical

None

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN

Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0

Bluetooth™

Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*

One of the following, configurable by model:
- Wireless WAN upgradable (special bid only in EMEA)
- Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)
- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card

** For non-WWAN model, it means the model is NOT WWAN upgradable*

SIM card *(opt)*

Nano-SIM card slot, optional Verizon LTE (US) SIM card

Dimensions

WxDxH: 14.40" x 9.76" x 0.75"; 365.8mm x 248mm x 19.1mm

Weight

starting at 3.87 lb / 1.75 kg

Case color

Black

Case material

Display cover: PPS / 50% GF;
Bottom: PA / 50% GF

Smart card reader

Optional: Smart card reader

Media reader

MicroSD card reader

Ports

Two USB 3.1 Gen 1 (one Always On),
one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort),
one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP),
HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models),
headphone / microphone combo jack, optional smart card reader,
microSD card reader, side docking connector, security keyhole
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

Monitor cable *(optional)*

HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter

Bundled Accy

None

Camera *(optional)*

One of the following, configurable by model:
- HD720p camera with ThinkShutter camera privacy, fixed focus
- IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus

Audio support

HD Audio, Realtek® ALC3287 codec /
stereo speakers, 2W x 2, Dolby® Audio™ Premium /
optional dual array far-field microphone, headphone / microphone combo jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight

UltraNav™

TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 2.0, TCG Certified

System Mgt *(opt)*

Intel vPro Technology

Fingerprint reader

Optional: Touch style match on chip fingerprint reader on the palm rest

NFC *(optional)*

Near Field Communication

Battery

Integrated Li- Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

Max battery life

MobileMark® 2014: 15 hr (FHD model) / 10 hr (UHD model)
** Battery life varies significantly with settings, usage, & other factors*

AC adapter

65W USB Type-C AC adapter

Operating system

Windows® 10 Home 64 or Windows 10 Pro 64

Limited warranty

One of the following, configurable by model:
- 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 specifications above may not be available in all regions.

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