

# ThinkPad P52s 20LB000B++

Region  
EMEA

Machine Type  
20LB

TopSeller  
TopSeller

Processor  
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

vPro  
No

Graphics  
NVIDIA Quadro P500 2GB

Memory  
16GBx1

Display  
15.6" FHD (1920x1080) IPS

Multi-touch  
None

Storage  
512GB SSD M.2 PCIe NVMe Opal2

Optical  
None

WLAN + Bluetooth  
Intel 8265 ac, 2x2 + BT4.1

WWAN  
WWAN Upgradable

SIM Card  
None

Smart Card Reader  
None

Monitor Cable  
None

Camera  
720p

Keyboard  
Backlit

Fingerprint Reader  
Fingerprint Reader

NFC  
None

TPM  
dTPM 2.0

Battery  
4-cell (32Wh) + 6-cell (72Wh)

Power Adapter  
65W USB-C

Operating System  
Windows 10 Pro 64

Warranty  
3-year, Onsite

End of Support  
Mar 6, 2024

Ann Date (mm/yy)  
02/18

## Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ThinkPad P52s Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions Weight	WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm starting at 4.39 lb / 1.99 kg						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Black						
	i5-8350U	4	8	1.7 GHz	3.6 GHz	6MB	DDR4-2400	Intel UHD Graphics 620		Display cover:	Glass-Fiber Reinforced Plastic (PPS);					
	i7-8550U			1.8 GHz	4.0 GHz	8MB				Bottom:	Glass-Fiber Reinforced Plastic					
i7-8650U	1.9 GHz			4.2 GHz	8MB											
Graphics	Intel UHD Graphics 620 in processor and NVIDIA Quadro® P500, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Smart card reader	Optional: Smart card reader						
Chipset	Intel SoC (System on Chip) platform								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)						
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller								Ports	Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, 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), side docking connector, security keyhole						
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle								Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter						
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Camera (optional)	One of the following, configurable by model:						
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x4, 32Gb/s Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								Audio support	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus HD Audio, Realtek® ALC3287 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack						
Optical	None								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight						
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad						
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS								Security	Power-on password, hard disk password, supervisor password, security keyhole						
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card								Security chip	Discrete TPM 2.0, TCG Certified						
									vPro (optional)	Intel vPro Technology						
									Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest anti-spoofing technology						
									NFC (optional)	Near Field Communication						
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Battery	Optional integrated Li-Ion 32Wh battery and external Li-Ion 24Wh, 48Wh, or 72Wh battery						
									Max battery life (MobileMark® 2014)	Models	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh	
									Max battery life	12.2 hr	18.5 hr	13.5 hr	20.1 hr	26.3 hr		
									AC adapter	65W USB Type-C AC adapter						
									Preload	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 certification						
									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant						

Lenovo  
February 2018

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