

ThinkPad P52s 20LB000FFR

Product

ThinkPad P52s

Region

WE

Country/Region

France

Machine Type

20LB

TopSeller

TopSeller

Processor

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

Graphics

NVIDIA Quadro P500 2GB GDDR5

Chipset

Intel SoC Platform

Memory

2x 16GB SO-DIMM DDR4-2400

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory

None

Display

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

Touchscreen

None

Media Reader

4-in-1 Card Reader

Ethernet

100/1000M

Optical

None

WLAN + Bluetooth

Intel 8265 11ac, 2x2 + BT4.1

WWAN

WWAN Upgradable

SIM Card

None

Smart Card Reader

Smart Card Reader

Case Material

GFRP + PPS (Top), GFRP (Bottom)

Monitor Cable

None

Camera

720p with ThinkShutter

Microphone

2x, Array

Color

Black

Keyboard

Backlit, French

Fingerprint Reader

Touch Style, Match-on-Chip

NFC

None

TPM

Discrete TPM 2.0

Battery

Integrated 32Wh + Swappable 24Wh

Power Adapter

65W USB-C

System Management

None

Operating System

Windows 10 Pro 64

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

0192158797038

End of Support

2024-03-06

Announce Date

2018-02-06

Recommended Services**Best**

5Y Premier Support Upgrade from 3Y Onsite (5WS0V07089)

Better

4Y Premier Support Upgrade from 3Y Onsite (5WS0V07069)

Good

3Y Premier Support Upgrade from 3Y Onsite (5WS0V07066)

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 P52s Platform Specifications

Product Specifications Reference (PSREF)



Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions Weight Case color Case material	<i>WxDxH:</i> 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 Black <i>Display cover:</i> GFRP + PPS; <i>Bottom:</i> GFRP												
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics														
	i5-8350U	4	8	1.7 GHz	3.6 GHz	6MB	DDR4-2400	Intel UHD Graphics 620														
	i7-8550U			1.8 GHz	4.0 GHz	8MB																
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; Up to 3 displays with 2 external monitors plus system LCD screen. Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) 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, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> <i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter												
Chipset	Intel SoC (System on Chip) platform																					
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>																					
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 45% gamut, 170° viewing angle <i>Some:</i> 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle																					
Multi-touch (opt) Pen	On-cell touch, supports 10-finger gesture (FHD only) None								Monitor cable (optional) Camera (optional) Audio support	<i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / optional dual array microphone, headphone / microphone combo jack												
Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage, and supports single sided M.2 2280 drives only</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN																					
Optane™ memory Optical	<i>Optional:</i> Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2 None																					
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)																					
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card <i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>								Keyboard UltraNav™ Security Security chip vPro (optional) Fingerprint reader NFC (optional) Battery Max battery life (MobileMark® 2014) AC adapter Operating system Limited warranty Mil-Spec test Environment	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest anti-spoofing technology Near Field Communication Optional integrated Li-ion 32Wh battery and swappable Li-ion 24Wh, 48Wh, or 72Wh battery <table border="1"> <thead> <tr> <th>Models</th> <th>48Wh</th> <th>72Wh</th> <th>32Wh + 24Wh</th> <th>32Wh + 48Wh</th> <th>32Wh + 72Wh</th> </tr> </thead> <tbody> <tr> <td><i>Max battery life</i></td> <td>12.2 hr</td> <td>18.5 hr</td> <td>13.5 hr</td> <td>20.1 hr</td> <td>26.3 hr</td> </tr> </tbody> </table> <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i> 65W USB Type-C AC adapter Windows® 10 Home 64 or Windows 10 Pro 64 <i>One of the following, configurable by model:</i> • 1-year depot repair service • 1-year depot with 2-year system board repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service • 3-year (including battery) limited onsite service MIL-STD-810G military testing EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant	Models	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh	<i>Max battery life</i>	12.2 hr	18.5 hr	13.5 hr	20.1 hr	26.3 hr
Models	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh																	
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WWAN (optional)	<i>One of the following, configurable by model:</i> • 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 <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>																					
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card																					

Note: The specifications above may not be available in all regions.

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