

ThinkPad P52 20M9002TFR

Product

ThinkPad P52

Region

WE

Country/Region

France

Machine Type

20M9

TopSeller

TopSeller

Processor

Intel Core i9-8950HK (6C / 12T, 2.9 / 4.8GHz, 12MB)

Graphics

NVIDIA Quadro P3200 6GB GDDR5

Chipset

Intel CM246

Memory

1x 16GB SO-DIMM DDR4-2400 non-ECC

Storage

1TB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory

None

RAID Preset

No

Display

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

Touchscreen

None

Pen

None

Media Reader

4-in-1 Card 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

GFRP (Top), Magnesium / Aluminum (Bottom)

Bundled Accessories

None

Camera

720p + IR without ThinkShutter

Microphone

2x, Array

Color

Black

Keyboard

Backlit, French

Fingerprint Reader

Touch Style, Match-on-Chip

NFC

None

TPM

Discrete TPM 2.0

Battery

Swappable 90Wh

Power Adapter

170W Slim Tip

System Management

None

Operating System

Windows 10 Pro 64

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

0193386355397

End of Support

2025-04-19

Announce Date

2019-03-19

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 P52 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i7 / i9 Processor or Intel Xeon® E Processor								Dimensions	WxDxH: 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm WxDxH(Touch): 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Non-touch model: starting at 5.4 lb / 2.45kg; Multi-touch model: starting at 6.4 lb / 2.9kg	
	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB	DDR4-2400	Intel UHD Graphics 630	Case color	Black	
	i7-8850H			2.6 GHz	4.3 GHz	9MB			Case material	Display cover: Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum	
	i9-8950HK			2.9 GHz	4.8 GHz	12MB					
E-2176M	2.7 GHz			4.4 GHz	12MB			Intel UHD Graphics P630	Smart card reader	Optional: Smart card reader	
Graphics	Intel UHD Graphics 630 or P630 in processor and NVIDIA Quadro® P1000 (4GB memory), P2000 (4GB memory), or P3200 (6GB memory, VR ready); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; Up to 4 displays with 3 external monitors plus system LCD screen. Max resolution: 3840X2160@60Hz (DisplayPort via Mini DisplayPort cable); 5120X2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)								ExpressCard	None	
Chipset	Mobile Intel CM246 Chipset 128GB non-ECC or 64GB ECC max / 2400MHz DDR4 (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets * Installed DIMMs are actually 2666MHz but run at 2400MHz due to Intel limitation * 128GB non-ECC memory for special bid only								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card	
Memory									Ports	Three USB 3.1 Gen 1 (one Always On), two USB Type-C / Thunderbolt 3 (with the function of Power Delivery and DP), Mini DisplayPort 1.4, 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 * Depending on many factors, actual data transfer speed may be lower than theoretical speed	
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 160° viewing angle Some: 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, WVA, 400 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch								Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus	
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (4K only)								Audio support	HD Audio, Realtek® ALC3286 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / optional dual array microphone, headphone / microphone combo jack, Dolby Atmos® headphone	
Pen	Supports pen accessory, please see the accessory compatibility for details								Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, LED backlight 3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad	
Storage	Up to 3 drives (two M.2 SSD and one HDD), supports single sided M.2 2280 drives only Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s								Security	Power-on password, hard disk password, supervisor password, security keyhole	
Optane™ memory	Optional: Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2								Security chip	Discrete TPM 2.0, TCG Certified	
RAID (optional)	RAID 0/1 support								vPro (optional)	Intel vPro Technology	
Optical	None								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest	
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								Color calibration	None	
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								NFC (optional)	Near Field Communication	
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery	Swappable Li-ion 90Wh battery	
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card								Max battery life (MobileMark® 2014)	Discrete mode: 6.1 hr; Hybrid mode: 8.9 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors	
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								AC adapter	170W slim tip AC adapter	
									Operating system	One of the following, configurable by model: • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations	
									Limited warranty (optional)	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® 6.1; RoHS-compliant	

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

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