ThinkPad P50 20EN0005++

Region

EMEA

Machine Type

20EN

TopSeller

TopSeller

Processor

Core i7-6700HQ (4C, 2.6 / 3.5GHz, 6MB)

vPro

No

Graphics

NVIDIA Quadro M1000M 2GB

Chipset

Intel CM236

Memory

8GBx1 non-ECC

Display

15.6" FHD (1920x1080) IPS

Multi-touch

None

Pen

None

Storage

256GB SSD M.2 Opal2

RAID

No

Optical

None

WLAN + Bluetooth

Intel 8260 ac, 2x2 + BT4.1

WWAN

None

SIM Card

None

Smart Card Reader

Smart Card Reader

Camera

720p

Keyboard

Backlit

Fingerprint Reader

Fingerprint Reader

Color Calibrator

None

Battery

6-cell (90Wh)

Power Adapter

170W Slim Tip

Operating System

Windows 10 DG Windows 7 Pro 64

Warranty

3-year, Onsite

End of Support

Nov 17, 2020

Ann Date (mm/yy)

11/15

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 P50 Platform Specifications

Processor	6th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 Family	Smart card reader	r Optional: Smart card reader
	Processor Number Cores Threads Frequency Frequency Frequency Cache Types Graphics 17-6700HQ 2.6 GHz 3.6 GHz 8MB 1530 1540	ExpressCard Media reader Ports	One slot (ExpressCard/34) 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card Four USB 3.0 (one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort, HDMI, Ethernet (RJ-45), Dock connector
	E3-1505M v5 2.8 GHz 3.7 GHz 8MB DDR4-2133 Intel HD Graphics P530	Audio support)HD720p resolution, low light sensitive, fixed focus HD Audio, Realtek® ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack
Graphics	Intel HD Graphics 530 or P530 in processor and NVIDIA Quadro® M1000M (2GB or 4GB memory) or M2000M (4GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™;	UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight 3-button TrackPoint® pointing device and 3-button crystal silk surface multi-touch touchpad
	supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 3840x2160@30Hz (HDMI)		Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset Delivers improved thermal and power efficiency, up to 30 day standby,
Chipset Memory	Mobile Intel CM236 Chipset (Intel GL82CM236 PCH) 64GB max ⁷ / 2133MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets	vPro <i>(optional)</i> Fingerprint reader	faster resume time, enhanced security, as well as anti-tampering measures Intel vPro Technology rTouch style fingerprint reader on the palm rest Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 45% gamut, 160° viewing angle Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 178° viewing angle	Color calibration Battery Max battery life ¹⁰ (MobileMark® 2014)	Lithium Polymer 4-cell (66Wh) or 6-cell (90Wh) Model 4-cell 6-cell
Multi-touch (opt) Pen (optional)	Capacitive-type multi-touch, supports 10-finger gesture, 220 nits ThinkPad Pen Pro, active pen for multi-touch display	,	Discrete Graphics 7.1 hr 9.7 hr Hybrid Graphics 9.6 hr 13.2 hr 170W slim tip AC adapter
Storage Optical	 Up to 3 drives (two M.2 SSD and one HDD) HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™ M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe) None 	Preload	Some: Genuine Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 Windows 10 Pro 64 Lenovo Solution Center Lenovo SHAREit Lenovo Companion Lenovo Setting
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)		 Lenovo Solution Center Lenovo SHAREit ThinkVantage Product Recovery Rescue and Recovery[™] ThinkVantage System Update Adobe® Reader® Microsoft® Office preloaded; purchase a product key to activate Microsoft® Office preloaded; purchase a product key to activate McAfee® LiveSafe™ (30-day trial)
WLAN⁴ Bluetooth™	11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
WWAN (optional) SIM card	Nireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card Micro-SIM card slot	•	
Dimensions ³	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		For ISV certifications, please visit www.lenovo.com/support/ISV
Weight ²	Models 4-cell 6-cell Non-touch 5.6 lb / 2.55kg 5.9 lb / 2.67kg Multi-touch 6.2 lb / 2.82kg 6.4 lb / 2.90kg		 One of the following, configurable by model: 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service²⁴ 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)
Case material	Display cover: Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum	Mil-Spec test	MIL-STD-810G military certification
	Dottom. Magnosiani/Alaminam	Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant
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