ThinkPad P51 20HH0015++

Region

EMEA

Machine Type

20HH

TopSeller TopSeller

Processor

Core i7-7820HQ (4C, 2.9 / 3.9GHz, 8MB)

vPro vPro

Graphics

NVIDIA Quadro M2200 4GB

Chipset Intel CM238

Memory

8GBx2 non-ECC

Display

15.6" FHD (1920x1080) IPS

Multi-touch None

Pen None

Storage

512GB SSD M.2 PCIe NVMe Opal2

RAID No

Optical None

WLAN + Bluetooth

Intel 8265 ac, 2x2 + BT4.1

WWAN

WWAN Upgradable

SIM Card None

Smart Card Reader

Smart Card Reader

Camera

720p

Keyboard

Backlit

Fingerprint Reader

Fingerprint Reader

NFC None

Color Calibrator

X-Rite

TPM

dTPM 2.0

Battery

6-cell (90Wh)

Power Adapter

170W

Operating System Windows 10 Pro 64

Warranty 3-year, Onsite

End of Support Mar 21, 2022

Ann Date (mm/yy)

03/17

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 P51 Platform Specifications

Processor	7th Conoratio	n Into	J® Coro™	4 i7 Proces	oor or Into	Voor	® Process	· E2 v6 Family	Dimensions	MyDyU: 4	14 06" v 0 00" v 0 06	1 16": 277 4mm × 05	2 2mm v 24 E 20 4mm	
Processor							N 4	r E3 v6 Family	Dimensions				52.3mm x 24.5-29.4mm 52.3mm x 25.8-30.7mm	
		# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Models	4-cell	6-cell		
	i7-7700HQ	20.00		2.8 GHz	3.8 GHz	6MB	.,,,,,,,	Intel HD Graphics		Non-touch	5.6 lb / 2.55kg	5.9 lb / 2.67kg		
	i7-7820HQ	4	8	2.9 GHz	3.9 GHz		DDR4-2400	630		Multi-touch	6.2 lb / 2.82kg	6.4 lb / 2.90kg		
	E3-1505M v6	4	8	3.0 GHz	4.0 GHz	8MB	DDR4-2400	Intel HD Graphics P630	Case color Case material	Black Display cover: Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum				
	E3-1535M v6			3.1 GHz	4.2 GHz									
Graphics Intel HD Graphics 630 or P630 in processor and									Smart card reader Optional: Smart card reader					
		NVIDIA Quadro® M1200 or M2200, 4GB memory; supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™;								ssCard One slot (ExpressCard/34)				
	supports four independent displays;						yı OIL, UI IN	anaciboli''',	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card				
	Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable);							ort cable);	Ports	Four USB 3.1 Gen 1 (USB 3.0, one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector				
<u> </u>	3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)								Camera (optional) HD720p resolution, fixed focus					
Chipset Memory	Mobile Intel CM238 Chipset 64GB max ⁷ / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets									HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack				
WIGHTOL Y														
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle								Keyboard	6-row, spill-resista	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight			
									UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad				
	50me: 15.6"	Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 170° viewing angle								Power-on password, hard disk password, supervisor password, security keyhole				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 220 nits (FHD only)								Security Security chip	D Discrete TPM 2.0, TCG Certified				
Pen (optional)									vPro (optional) Intel vPro Technology					
Storage	Some: HDD / SAIA 6.0Gb/s, 2.5" wide, /mm nigh, active Protection System'								Fingerprint reader Touch style match on chip fingerprint reader on the palm rest Color calibration Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest					
									NFC	None				
Optical									Battery Lithium Polymer 4-cell (66Wh) or 6-cell (90Wh)					
Ethernet		Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)							Max battery life ¹⁰ (MobileMark® 2014)	Model	4-cell	6-cell		
	vPro model:	Ir	ntel Ether	net Conne	ction I219-	LM (Ja	acksonvilĺe)		(IVIODIIEIVIAIK* 2014)	Discrete Graphics	4.5 hr	6.1 hr		
WLAN	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								AC adapter	Hybrid Graphics	6.5 hr	8.9 hr		
Bluetooth™		Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS								1 Control of the cont				
WWAN (ontional)	One of the following, configurable by model:								Preload	Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 Lenovo Companion Lenovo Setting				
, , ,	Wireless WAN upgradable Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card													
SIM card (opt)										Microsoft Office preloaded; purchase a product key to activate				
Jaia (Jpi)									Limited warranty	One of the following, configurable by model:				
										 1-year depot rep 	1-year depot repair service			
										3-year/1-yr battery depot repair service 3-year/1-yr battery limited engits corries				
										3-year/1-yr battery limited onsite service All Caracteria All Caracteria and Caracteria an				
									Mil-Spec test	MIL-STD-810G military certification				
									Environment	· · · · · · · · · · · · · · · · · · ·				
													Lenovo	





