

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

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family								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		Models	4-cell	6-cell
	i7-7700HQ	4	8	2.8 GHz	3.8 GHz	6MB	DDR4-2400	Intel HD Graphics 630		Non-touch	5.6 lb / 2.55kg	5.9 lb / 2.67kg
	i7-7820HQ			2.9 GHz	3.9 GHz	8MB		Intel HD Graphics P630		Multi-touch	6.2 lb / 2.82kg	6.4 lb / 2.90kg
E3-1505M v6	3.0 GHz			4.0 GHz								
E3-1535M v6	3.1 GHz			4.2 GHz								
Graphics	Intel HD Graphics 630 or P630 in processor and NVIDIA Quadro® M1200 or M2200, 4GB memory; supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)								Case color	Black		
									Case material	Display cover: Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum		
Smart card reader									Optional: Smart card reader			
ExpressCard									One slot (ExpressCard/34)			
Media reader									4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card			
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			
Camera (optional)									HD720p resolution, fixed focus			
Audio support									HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack			
Keyboard									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			
Security									Power-on password, hard disk password, supervisor password, security keyhole			
Security chip									Discrete TPM 2.0, TCG Certified			
vPro (optional)									Intel vPro Technology			
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			
Battery									Lithium Polymer 4-cell (66Wh) or 6-cell (90Wh)			
Max battery life ¹⁰									Model	4-cell	6-cell	
(MobileMark® 2014)									Discrete Graphics	4.5 hr	6.1 hr	
									Hybrid Graphics	6.5 hr	8.9 hr	
AC adapter									170W AC adapter			
Preload									Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate			
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 (US only); ENERGY STAR® 6.1; RoHS-compliant			

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