ThinkPad P50s Platform Specifications

Processor 6	6th Generation Intel® Core™ i5 / i7 Processor								Smart card reader Optional: Smart card reader			
	Processor Number	# of	# of	Base Frequency	Max Turbo	Cache	Memory Types	Processor Graphics	Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0 (one Always On), MiniDP, HDMI, Ethernet (RJ-45), Dock connector		
	i5-6300U i7-6500U i7-6600U	2	4	2.4 GHz 2.5 GHz 2.6 GHz	3 GHz 3.1 GHz 3.4 GHz	3MB 4MB 4MB	DDR3L-1600	Intel HD Graphics 520	Camera (optional) Audio support	/)HD720p resolution, low light sensitive, fixed focus HD Audio, Realtek® ALC3245 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack		
Graphics I	Intel HD Graphics 520 in processor and NVIDIA Quadro® M500M (2GB memory); supports external digital monitor via HDMI or Mini DisplayPort;								Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch		
5	supports external digital monitor via HDMI of Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 4096x2160@24Hz (HDMI)							Port cable);	Security Security chip ThinkEngine	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, faster resume time, enhanced security, as well as anti-tampering measures		
Memory 3	32GB max' / PC3-12800 1600MHz DDR3L, non-parity,								Fingerprint reade	nal) Intel vPro Technology reader Optional: Swipe style fingerprint reader on the palm rest		
. ,	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio, 160° viewing angle							60° viewing angle , IPS,	Internal battery External battery Max battery life ¹⁰ (<i>MobileMark</i> ® 2014)			
Multi-touch (opt) I	In-cell touch, supports 10-finger gesture								AC adapter	65W Slim AC adapter or 65W AC adapter		
	Some: SSD / SATA 6.0Gb/s (e.g. xxxG SSD) Some: SSD / PCle NVMe, PCle 3.0 x 2, 16Gb/s (e.g. xxxG SSD PCle NVMe) Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory							PCIe NVMe)	Preload	windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 Lenovo Solution Center Lenovo Solution Center ThinkVantage Product Recovery Windows 10 Pro 64 Lenovo Solution Center Lenovo Sotting Microsoft Office preloaded;		
	None									 Rescue and Recovery[™] purchase a product key to activate 		
	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville))		 ThinkVantage System Update Adobe® Reader® Microsoft® Office preloaded: McAfee® LiveSafe™ (30-day trial) 		
•	One of the following, configurable by model: • 11ac+BT, Broadcom BCM4356, 2x2, M.2 card • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card								purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) For ISV certifications, please visit www.lenovo.com/support/ISV			
	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter							pter	Limited warranty12	² One of the following, configurable by model:		
` ' •	 One of the following, configurable by model: Wireless WAN upgradable Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card 							S/GNSS M 2 card		 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) 		
•	Wireless WAN, HUAWEI ME906S,								Mil-Spec test	MIL-STD-810G military certification		
	HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant		
147 - 1 - 1- 12	<i>WxDxH</i> : 14.98" x 10.17" x 0.88"; 380.6mm x 258.2mm x 22.45mm											
H	Models		No + 6		3-cell +		3-cell +					
H	Non-touch	- 5	5.27 lb / 2	2.39 kg	4.97 lb / 2		5.44 lb / 5.42 lb /					
	Multi-touch Display cov	er: PF	PS; <i>I</i>	Bottom: G	5.00 lb / 2 lass-Fiber		ced Plastic	2.40 KY				