ThinkPad E450 Platform Specifications

Processor	4th or 5th Generation Intel® Core™ i3 / i5 / i7 Processor							Multicard Reader 4-in-1 reader (MMC, SD, SDHC, SDXC)				
	Processor # of Cores	# of Threads	Base Frequency	Max Turbo	Cache	Memory speed	Processor	Ports	Two USB 3.0, one USB 2.0 (Always On), Ethernet (RJ-45), external monitor (HDMI), Lenovo OneLink connector			
	i3-4005U 2	4	1.7 GHz		3MB	speed	Graphics HD4400	Monitor cable	None			
	i3-5005U 2	4	2.0 GHz	-	змв	DDR3L-1600	HD5500	Camera	Some: 0.3-megapixel, fixed focus			
	i5-5200U 2	4	2.2 GHz	2.7 GHz	3MB	DDH3L-1000	HD5500	Audio support	Some: HD720p resolution, fixed focus HD Audio, Conexant® CX20751 codec, Dolby® Advanced Audio™ v4 /			
	i7-5500U 2	4	2.4 GHz	3.0 GHz	4MB		HD5500		stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jac			
Graphics	Intel HD Graphic	s in prod 5 M240 (cessor only, or Graphics 1GB	DDB3 me	mory			Keyboard	6-row, spill-resistant, multimedia Fn keys			
	AMD Radeon R5 M240 Graphics, 1GB DDR3 memory, AMD Radeon R7 M260 Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content);							UltraNav™ ThinkLight™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None			
	digital monitor su supports dual ind			oorting HE	CP to	output protec	ted content);	Security	Power-on password, hard disk password, supervisor password, security key			
	Max resolution: 1920x1080 (HDMI)@60Hz							Security chip	TPM: Trusted Platform Module, TCG 1.2-compliant Soft: Software TPM enabled			
Chipset	Intel SoC (Syste			201		de estado de escado d		vPro	None			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets NFC None											
Display	Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits. 16:9 aspect ratio							Battery life 6	Li-lon 6-cell (47Wh) 6-cell (47Wh): up to 9.0 hr Some: 45-watt AC adapter (Integrated Graphics)			
	Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight,											
Multi-touch	220 nits, 16:9 aspect ratio Some: supports 10-finger gesture								Some: 65-watt AC adapter (Discrete Graphics)			
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable						dable	Preload	Some: No operating system Some: Windows 8.1 64-bit			
	Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™								Some: Windows® 7 Professional 64 preinstalled through downgrade			
	upgrada Some: Hybrid d					Protection Sys	tem™		rights in Windows 8.1 Pro 64-bit • Lenovo SHAREit			
Optical M.2 SSD	None	ne • Lenovo Shareit • ThinkVantage System Update										
Ethernet	None	ne • ThinkVantage Product Recovery • Rescue and Recovery™ • Maxthon Cloud Browser										
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								ThinkVantage System Update Microsoft® Office preloaded; Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft Microsoft			
WLAN	One of the following, configurable by model: Intel Wireless-AC 3160, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card								 Microsoft® Office preloaded; purchase a product key to activate Microsoft Office preloaded; purchase a product key to activate 			
									 Norton™ Internet Security Norton Internet Security 			
	 Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card RTL8723BE, Realtek 11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card 						r. M.2 Card		(30 days of virus definitions) (30 days of virus definitions)			
	BCM43162, Broadcom 11-AC, 1x1, Wi-Fi + BT combo adapter, M.2 Card								Some: Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo SHAREit • ThinkVantage Product Recovery • Rescue and Recovery™ Some: Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • Microsoft Office preloaded; purchase a product key to activate • McAfee LiveSafe			
WWAN	None											
SIM card	None											
Smart Card Read ExpressCard	ad None None											
Dimensions Weight	None Touch(WxDxH): 13.35" x 9.41" x 0.94"; 339mm x 239mm x 24mm 6-cell None Touch: from 4.00 lb (1.81kg)								(30 days of virus definitions)			
Case color Case material	Graphite Black PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic							Limited warranty	1-year - depot repair service / service upgrades available			
Jaso material								Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant			
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