

ThinkPad E450 Platform Specifications

Product Specifications Reference (PSREF)

Processor	4th or 5th Generation Intel® Core™ i3 / i5 / i7 Processor								Multicard Reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC)	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics		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	DDR3L-1600	HD4400		None	
	i3-5005U	2	4	2.0 GHz	-	3MB		HD5500		Camera	
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500		<i>Some:</i> 0.3-megapixel, fixed focus	
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB	HD5500		<i>Some:</i> HD720p resolution, fixed focus			
Graphics	Intel HD Graphics in processor only, or 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); supports dual independent display Max resolution: 1920x1080 (HDMI) @60Hz								Keyboard	6-row, spill-resistant, multimedia Fn keys	
Chipset Memory	Intel SoC (System on Chip) platform 16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad	
	Display	Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio								ThinkLight™	None
Multi-touch		Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio								Security	Power-on password, hard disk password, supervisor password, security keyhole
	Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable								Security chip	TPM : Trusted Platform Module, TCG 1.2-compliant
Optical M.2 SSD		Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™								vPro	None
	Ethernet Bluetooth™	Some: Hybrid drive with 8GB NAND flash memory								Fingerprint reader	<i>Some:</i> Fingerprint reader on the keyboard bezel, swipe sensor
WLAN		None								NFC	None
	WWAN	None								Battery type	Li-Ion 6-cell (47Wh)
SIM card		None								Battery life	6-cell (47Wh): up to 9.0 hr
	Smart Card Read ExpressCard	None								AC adapter	<i>Some:</i> 45-watt AC adapter (Integrated Graphics)
Dimensions		None								Preload	<i>Some:</i> No operating system
	Weight	None									<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Case color		None								• Lenovo Solution Center	
	Case material	None								• Lenovo SHAREit	
PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic								• Lenovo Companion			
								• ThinkVantage System Update			
None								• ThinkVantage Product Recovery			
								• Rescue and Recovery™			
None								• Microsoft® Office preloaded; purchase a product key to activate			
								• Norton™ Internet Security (30 days of virus definitions)			
None								<i>Some:</i> Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64			
								• Lenovo Solution Center			
None								• Lenovo SHAREit			
								• Lenovo Companion			
None								• Microsoft Office preloaded; purchase a product key to activate			
								• McAfee LiveSafe (30 days of virus definitions)			
None								• Norton Internet Security (30 days of virus definitions)			
								• Norton Internet Security (30 days of virus definitions)			
None								• ThinkVantage Product Recovery			
								• Rescue and Recovery™			
None								Limited warranty			
								1-year - depot repair service / service upgrades available			
None								Environment			
								EPEAT™ Gold; ENERGY STAR®; RoHS-compliant			