

# ThinkPad E490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions <i>Aluminum (WxDxH):</i> 12.96" x 9.53" x 0.78"; 329mm x 242mm x 19.9mm <i>PC/ABS (WxDxH):</i> 12.96" x 9.53" x 0.83"; 329mm x 242mm x 21.9mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Weight Starting at 3.87 lb / 1.75kg Case color Black or silver Case material <i>Display cover:</i> Aluminum or PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB				
i7-8565U					1.8 GHz	4.6 GHz	8MB			
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and AMD Radeon RX 550X Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Smart card reader None	
Chipset	Intel SoC (System on Chip) platform								Media reader MicroSD card reader	
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Ports Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Display	Size / Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch	Camera HD720p camera, fixed focus	
	14.0" HD (1366x768)	Anti-glare	TN	220 nits	16:9	400:1	90°	Non-touch		Audio support HD Audio, Conexant® CX11880 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack
	14.0" FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	600:1	170°	Non-touch		
Multi-touch	None								Keyboard 6-row, spill-resistant, multimedia Fn keys, optional LED backlight	
Storage	Up to two drives (one M.2 SSD and one HDD)								UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
	<ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™</li> <li>M.2 SSD / SATA 6.0Gb/s</li> <li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>								Security Power-on password, hard disk password, supervisor password, security keyhole	
Optical	None								Security chip <i>Integrated model:</i> discrete TPM 2.0, TCG Certified <i>Discrete model:</i> firmware TPM 2.0 integrated in chipset	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								vPro None	
WLAN + Bluetooth™	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card</li> <li>Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card</li> </ul>								Fingerprint reader <i>Optional:</i> Touch style fingerprint reader on the palm rest	
WWAN	None								NFC None	
									Battery Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
									Max battery life <i>MobileMark® 2014:</i> 13 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	
									AC adapter 45W or 65W USB Type-C AC adapter	
									Preload (optional) Windows® 10 Home 64 or Windows 10 Pro 64	
									Limited warranty 1-year depot repair service	
									Mil-Spec test MIL-STD-810G military certification	
									Environment ENERGY STAR® 7.0; RoHS-compliant	

Note: The specifications above may not be available in all regions.

Lenovo  
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