

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		
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB				
	i5-8365U			1.6 GHz	4.1 GHz	6MB				
i7-8565U	1.8 GHz			4.6 GHz	8MB					
* <i>i5-8365U is for special bid only</i>										
Graphics	Intel UHD Graphics in processor only or Intel UHD Graphics in processor and AMD Radeon RX 550X Graphics, 2GB GDDR5 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)								Weight Starting at 3.87 lb / 1.75 kg	
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * <i>Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation</i>								Case color Black or silver	
Display	Size / Resolution		Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Camera HD720p camera, fixed focus	
	14.0" HD (1366x768)		TN	Anti-glare	220 nits	16:9	400:1	90°		Audio support HD Audio, Synaptic® CX11880 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack
	14.0" FHD (1920x1080)		TN	Anti-glare	220 nits	16:9	400:1	90°		
	14.0" FHD (1920x1080)		WVA	Anti-glare	250 nits	16:9	600:1	170°		
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) • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 * <i>Installed M.2 2280 SSD is PCIe 3x4 but run at PCIe 3x2 due to M.2 SSD adapter limitation</i>								UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Optane™ memory	Optional: Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2								Security Power-on password, hard disk password, supervisor password, security keyhole	
Optical	None								Security chip Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								System Mgt None	
WLAN + Bluetooth™	One of the following, configurable by model: • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card • Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.1, M.2 card * <i>BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</i>								Fingerprint reader Optional: Touch style fingerprint reader on the palm rest	
WWAN	None								NFC None	
SIM card	None								Battery Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	
									Max battery life <i>MobileMark® 2014: 13 hr</i> * <i>Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>	
									AC adapter 45W or 65W USB-C AC adapter	
									Operating system Optional: Windows® 10 Home 64 or Windows 10 Pro 64	
									Limited warranty One of the following, configurable by model: • 1-year mail-in repair service • 1-year depot repair service • 1-year limited onsite service	
									Mil-Spec test MIL-STD-810G military testing	
									Environment ENERGY STAR® 7.1; TCO Certified; RoHS-compliant	

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

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