ThinkPad E590 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel [®] Core™ i3 / i5 / i7 Processor								Dimensions	WxDxH: 14.53" x 9.94" x 0.78"; 369mm x 252.5mm x 19.9mm
				Cache	Memory Types		Processor Graphics	Weight Case color Case material	Starting at 4.68 lb / 2.12 kg Black or silver	
	i3-8145U 2 i5-8265U	4	2.1 GHz 1.6 GHz	3.9 GHz 3.9 GHz	4MB 6MB	DDR4-240	00 Intel I	UHD Graphics		Display cover: Aluminum; Bottom: PC/ABS plastic
	i7-8565U 4	8	1.8 GHz	4.6 GHz	8MB			620	Smart card reade Media reader	erNone MicroSD card reader
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)							(HDMI)	Monitor cable	
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation							n	Camera Audio support	HD720p camera, fixed focus HD Audio, Synaptic® CX11880 codec / stereo speakers, 2W x 2, Dolby® Advanced Audio /
Display	Size / Resolution	ize / Resolution Surface Type Brig	Brightness	ntness Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch		dual array microphone, headphone / microphone combo jack	
	15.6" HD (1366x768)		-glare TN	220 nits	16:9	400:1	90°	Non-touch	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Multi-touch	15.6" FHD (1920x1080) Anti-glare IPS 250 nits 16:9 600:1 170° Non-touch None							Non-touch	Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Integrated model: discrete TPM 2.0, TCG Certified Discrete model: firmware TPM 2.0 integrated in chipset System Mgt None Fingerprint reader Optional: Touch style fingerprint reader on the palm rest NFC None	
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 2280 SSD / PCIe NVMe, PCIe 3.0 x 2 • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 y Optional: Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2 None Gigabit Ethernet Connection, Realtek R8111GUS							М		
Optane™ memory Optical									Battery Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter MobileMark® 2014: 11 hr	
Ethernet									,	* Battery life varies significantly with settings, usage, & other factors
	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 5.0, M.2 card								· · ·	45W or 65W USB Type-C AC adapter
								I		Windows® 10 Home 64 or Windows 10 Pro 64 1-year depot repair service
WWAN	None							·	i	MIL-STD-810G military testing
SIM card	None								Environment	EPEAT™ Silver: ENERGY STAR® 7.1: RoHS-compliant
Neter The survey offer	tiona abova may not	la a la serie l								

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

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