## ThinkPad E590 20NB005HGE

Product

ThinkPad E590

Region

**EMEA** 

Country

Germany

Machine Type

20NB

TopSeller

**TopSeller** 

Processor

Core i5-8265U (4C, 1.6 / 3.9GHz, 6MB)

vPro

No

Graphics

Integrated Intel UHD Graphics 620

Memory

16GBx1

Display

15.6" FHD (1920x1080) IPS

Multi-touch

None

Storage

512GB SSD M.2 PCIe NVMe

Optical

None

WLAN + Bluetooth

Intel 9260 ac, 2x2 + BT5.0

**WWAN** 

None

Color

Black

Camera

720p

Keyboard

Non-backlit

Fingerprint Reader

Fingerprint Reader

NFC

None

TPM

dTPM 2.0

Battery

45Wh

Power Adapter

65W USB-C

Operating System

Windows 10 Pro 64

Warranty

1-year, Depot

**End of Support** 

Mar 5, 2025

Ann Date (mm/yy)

02/19

Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences. https://www.lenovo.com/hk/en/battery-info



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## ThinkPad E590 Platform Specifications

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor							Dimensions	<i>WxDxH:</i> 14.53" x 9.94" x 0.78"; 369mm x 252.5mm x 19.9mm
	i3-8145U 2 4	eads Frequency 2.1 GHz	Max Turbo Frequency 3.9 GHz	Cache 4MB	Types	G	Processor Graphics Intel UHD Graphics 620	Weight Case color Case material	Starting at 4.68 lb / 2.12g Black or silver Display cover: Aluminum; Bottom: PC/ABS plastic
	i5-8265U i7-8565U 4 8	1.6 GHz 1.8 GHz	3.9 GHz 4.6 GHz	6MB 8MB		0		Smart card reade Media 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)							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  * Depending on many factors, actual data transfer speed may be lower than theoretical speed
							(HDMI)	Camera Audio support	HD720p camera, fixed focus HD Audio, Conexant® CX11880 codec /
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets						MM sockets	stereo speakers, 2W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack	
Display	Size / Resolution	Surface Type	Brightness	Aspect Ratio	Contrast N	/iewing Angle	Multi-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
	15.6" HD (1366x768) 15.6" FHD (1920x1080)	Anti-glare TN Anti-glare IPS	220 nits 250 nits	16:9 16:9	400:1	90°	Non-touch	Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole Integrated model: discrete TPM 2.0, TCG Certified
Multi-touch								Discrete model: firmware TPM 2.0 integrated in chipset vPro 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™						l	Fingerprint reader <i>Optional:</i> Touch style fingerprint reader on the palm rest NFC None	
Optical		2 SSD / PCIe NVMe, PCIe 3.0 x 2 GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2						Battery Max battery life	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	1.101.10							AC adapter	* Battery life varies significantly with settings, usage, & other factors 45W or 65W USB Type-C AC adapter
WLAN +	One of the following, configurable by model:								) Windows® 10 Home 64 or Windows 10 Pro 64
Bluetooth™	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  None							Limited warranty	
								Mil-Spec test	MIL-STD-810G military certification
WWAN								Environment	ENERGY STAR® 7.0; RoHS-compliant

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





















