

ThinkPad E490 20N90004GE

Product
ThinkPad E490

Region
EMEA

Country
Germany

Machine Type
20N9

TopSeller
No

Processor
Core i7-8565U (4C, 1.8 / 4.6GHz, 8MB)

vPro
No

Graphics
AMD Radeon RX 550X 2GB GDDR5

Memory
16GBx1

Display
14" FHD (1920x1080) IPS

Multi-touch
None

Storage
1TB 5400rpm + 512GB SSD M.2 PCIe NVMe

Optical
None

WLAN + Bluetooth
Intel 9260 ac, 2x2 + BT5.0

WWAN
None

Case Material
Aluminum

Color
Black

Camera
720p

Keyboard
Backlit

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
FW TPM 2.0

Battery
45Wh

Power Adapter
65W USB-C

Operating System
Windows 10 Pro 64

Warranty
1-year, Depot

End of Support
Jan 25, 2025

Ann Date (mm/yy)
12/18

Note:

* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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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 Weight Case color Case material <i>Display cover:</i> Aluminum or PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic
	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 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 readerNone Media readerMicroSD card reader PortsTwo 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
Chipset	Intel SoC (System on Chip) platform								CameraHD720p camera, fixed focus Audio supportHD Audio, Conexant® CX11880 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								
Display	Size / Resolution		Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch
	14.0" HD (1366x768)		Anti-glare	TN	220 nits	16:9	400:1	90°	Non-touch
	14.0" FHD (1920x1080)		Anti-glare	IPS	250 nits	16:9	600:1	170°	Non-touch
Multi-touch	None								Keyboard6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Storage	<i>Up to two drives (one M.2 SSD and one HDD)</i> • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ • M.2 SSD / SATA 6.0Gb/s • M.2 SSD / PCIe NVMe, PCIe 3.0 x 2 • 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2 None								SecurityPower-on password, hard disk password, supervisor password, security keyhole Security chip <i>Integrated model:</i> discrete TPM 2.0, TCG Certified <i>Discrete model:</i> firmware TPM 2.0 integrated in chipset
									vProNone Fingerprint reader <i>Optional:</i> Touch style fingerprint reader on the palm rest NFCNone
Optical									BatteryIntegrated 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 * Battery life varies significantly with settings, usage, & other factors AC adapter45W or 65W USB Type-C AC adapter
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								Preload (optional)Windows® 10 Home 64 or Windows 10 Pro 64
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • 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								Limited warranty1-year depot repair service
WWAN	None								Mil-Spec testMIL-STD-810G military certification
									EnvironmentENERGY STAR® 7.0; RoHS-compliant

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January 2018

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