

ThinkPad T490 20N2004EGE

Product
ThinkPad T490

Region
WE

Country
Germany

Machine Type
20N2

TopSeller
TopSeller

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

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
8GB Soldered DDR4-2400

Display
14" FHD (1920x1080) Low Power IPS 400nits Anti-glare

Multi-touch
None

Storage
256GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory
None

Optical
None

WLAN + Bluetooth
Intel 9560 ac, 2x2 + BT5.0

WWAN
Fibocom L830-EB

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Bundled Accessories
None

Color
Black

Camera
IR & 720p

Keyboard
Backlit

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
dTPM 2.0

Battery
50Wh

Power Adapter
65W USB-C

System Management
None

Operating System
Windows 10 Pro 64

Warranty
3-year, Depot

End of Support
2025-05-30

Announce Date
2019-04-30

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 T490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor										Dimensions Weight	WxDxH: 12.95" x 8.94" x 0.74"; 329mm x 227mm x 18.9mm																																																								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics				Models	FHD	FHD Low Power / WQHD																																																						
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620				Weight	3.41 lb / 1.55 kg	3.23 lb / 1.46 kg																																																						
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 NVIDIA® GeForce® MX250, 2GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)										Case color	Black																																																								
Chipset Memory	Intel SoC (System on Chip) platform 48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation										Case material	Display cover: PPS / 50% GF; Bottom: PA / 50% GF																																																								
											Smart card reader	Optional: Smart card reader																																																								
Display	<table><tr><th>Size</th><th>Resolution</th><th>Type</th><th>Surface</th><th>Brightness</th><th>Aspect Ratio</th><th>Contrast Ratio</th><th>Color Gamut</th><th>Viewing Angle</th></tr><tr><td>14.0"</td><td>HD (1366x768)</td><td>TN</td><td>Anti-glare</td><td>220 nits</td><td>16:9</td><td>400:1</td><td>45%</td><td>90°</td></tr><tr><td>14.0"</td><td>FHD (1920x1080)</td><td>IPS</td><td>Anti-glare</td><td>250 nits (non-touch) 300 nits (multi-touch)</td><td>16:9</td><td>700:1</td><td>45%</td><td>170°</td></tr><tr><td>14.0"</td><td>FHD (1920x1080) Low Power</td><td>IPS</td><td>Anti-glare</td><td>400 nits</td><td>16:9</td><td>800:1</td><td>72%</td><td>170°</td></tr><tr><td>14.0"</td><td>FHD (1920x1080) ThinkPad Privacy Guard</td><td>IPS</td><td>Anti-glare</td><td>400 nits</td><td>16:9</td><td>1000:1</td><td>72%</td><td>170°</td></tr><tr><td>14.0"</td><td>WQHD (2560x1440) Dolby Vision™ HDR</td><td>IPS</td><td>Glossy</td><td>500 nits</td><td>16:9</td><td>1500:1</td><td>100% Adobe</td><td>170°</td></tr></table>										Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	14.0"	HD (1366x768)	TN	Anti-glare	220 nits	16:9	400:1	45%	90°	14.0"	FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	14.0"	WQHD (2560x1440) Dolby Vision™ HDR	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Media reader	MicroSD card reader		
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Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																																			
Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to HDMI: Lenovo USB-C to HDMI Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter																																																																			
Bundled Accy	None																																																																			
Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus																																																																			
Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack																																																																			
Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight																																																																			
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																																																																			
Security	Power-on password, hard disk password, supervisor password, security keyhole																																																																			
Security chip	Discrete TPM 2.0, TCG Certified																																																																			
vPro (optional)	Intel vPro Technology																																																																			
Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest																																																																			
NFC (optional)	Near Field Communication																																																																			
Battery	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr)																																																																			
Max battery life	MobileMark® 2014: 16.11 hr * Battery life varies significantly with settings, usage, & other factors																																																																			
AC adapter	45W or 65W USB Type-C AC adapter																																																																			
Preload	Windows® 10 Home 64 or Windows 10 Pro 64																																																																			
Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service																																																																			
Mil-Spec test	MIL-STD-810G military certification																																																																			
Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant																																																																			

Processor													
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Processor Number # of Cores # of Threads Base Frequency Max Turbo Frequency Cache Memory Types Processor Graphics													
i5-8265U 4 8 1.6 GHz 3.9 GHz 6MB DDR4-2400 Intel UHD Graphics 620													
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Size Resolution Type Surface Brightness Aspect Ratio Contrast Ratio Color Gamut Viewing Angle													
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14.0" FHD (1920x1080) IPS Anti-glare 250 nits (non-touch) 300 nits (multi-touch) 16:9 700:1 45% 170°													
14.0" FHD (1920x1080) Low Power IPS Anti-glare 400 nits 16:9 800:1 72% 170°													
14.0" FHD (1920x1080) ThinkPad Privacy Guard IPS Anti-glare 400 nits 16:9 1000:1 72% 170°													
14.0" WQHD (2560x1440) Dolby Vision™ HDR IPS Glossy 500 nits 16:9 1500:1 100% Adobe 170°													
Multi-touch (opt) On-cell touch, supports 10-finger gesture (FHD only)													
Storage • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2													
Optical None													
Ethernet Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)													
WLAN (optional) Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0													
Bluetooth™ Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
WWAN (optional) One of the following, configurable by model: - Wireless WAN upgradable - Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only) - Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card - Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable													

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

Lenovo
April 2019

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