



ThinkPad T16g Gen 3

Model: 21V50001IV

Intel Core Ultra 7 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB Intel Smart Cache
 4x 16GB SODIMM DDR5-5600 Non-ECC
 1TB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0
 NVIDIA GeForce RTX 5080 16GB GDDR7 Laptop GPU
 Windows 11 Pro, Hebrew / English
 3Y Premier TP WS WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)



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Model Configurations

PERFORMANCE

Processor	Intel® Core Ultra 7 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB Intel Smart Cache
AI PC Category	AI PC
NPU	Integrated Intel® AI Boost, up to 13 TOPS
Graphics	NVIDIA® GeForce RTX™ 5080 16GB GDDR7 Laptop GPU
Chipset	Intel® WM880 Chipset
Memory	4x 16GB SODIMM DDR5-5600 Non-ECC
Memory Slots	Four DDR5 SODIMM slots, dual-channel capable
Max Memory	<ul style="list-style-type: none"> Models with ECC memory: Up to 128GB (4x 32GB SODIMM DDR5-5600 ECC) Models with Non-ECC memory: Up to 192GB (4x 48GB SODIMM DDR5-5600)
Storage	1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal 2.0
Storage Slot	Three M.2 slots <ul style="list-style-type: none"> One M.2 2280 PCIe® 5.0 x4 slot Two M.2 2280 PCIe 4.0 x4 slots
Max Storage Support	Up to three M.2 2280 Gen 5 Performance SSD; up to 12TB, 4TB each
RAID Preset	None
Card Reader	SD Express 8.0 Card Reader
Audio Chip	SoundWire®, Cirrus Logic® CS42L43 codec





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Battery	99.9Wh
Power Adapter	180W USB-C® GaN (3-pin)
DESIGN	
Display	16" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, Low Power Blue Light
Touchscreen	None
Screen-to-Body Ratio	82%
Color Calibration	X-Rite® Factory Color Calibration
Pen	Pen Not Supported
Keyboard	Backlit, Hebrew
Dimensions (WxDxH)	362 x 252 x 15.8 / 20.9 (front / rear), 29.8 (maximum) mm 14.25 x 9.92 x 0.62 / 0.82 (front / rear), 1.17 (maximum) inches
Weight	Starting at 2.54 kg (5.6 lbs)
Case Color	Black
Case Material	Aluminium (Top), Aluminium (Bottom)
SOFTWARE	
Operating System	Windows® 11 Pro, Hebrew / English
Bundled Software	Lenovo® AI Now
CONNECTIVITY	
WLAN + Bluetooth	Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.4
WWAN	WWAN Not Supported
SIM Card	No physical SIM card inbox
Ethernet	1x 2.5GbE RJ-45
NFC	No NFC
Standard Ports	<ul style="list-style-type: none"> • 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On • 1x USB-A (USB 10Gbps / USB 3.2 Gen 2) • 2x Thunderbolt™ 5, with DisplayPort™ 2.1 and USB PD 3.1, 180W input / 15V • 1x Thunderbolt™ 4, with DisplayPort™ 2.1 and USB PD 3.1, 180W input / 15V • 1x HDMI® 2.1, up to 8K/60Hz • 1x Headphone / microphone combo jack (3.5mm) • 1x Ethernet (2.5GbE RJ-45) • 1x SD Express 8.0 card reader
Optional Ports (configurable)	None



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SECURITY & PRIVACY

Security Chip	Discrete TPM 2.0 Enabled
Physical Locks	Kensington® Nano Security Slot, 2.5 x 6 mm
Smart Card Reader	No Smart Card Reader
Fingerprint Reader	Touch Style, Match-on-Chip, Integrated in Power Button
Other Security	<ul style="list-style-type: none"> Camera privacy shutter (camera models) Computer Vision-based User Presence Sensing on Image Signal Processor (IS

MANAGEABILITY

System Management	Non-vPro®
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SERVICE

Base Warranty	3-year, Courier or Carry-in with 1-year Battery
Included Upgrade	3Y Premier TP WS WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Of

ACCESSORIES

Bundled Accessories	None
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CERTIFICATIONS

Green Certifications	<ul style="list-style-type: none"> ENERGY STAR® 9.0 EPEAT™ Gold Registered RoHS compliant TCO Certified, generation 10
Mil-Spec Test	MIL-STD-810H military test passed
Other Certifications	<ul style="list-style-type: none"> Eyesafe® Certified 2.0 TÜV Rheinland® Low Blue Light

MODEL INFORMATION

Model	21V50001IV
Machine Type	21V5
Region	WE
Country/Region	Israel
TopSeller	Yes
EAN / UPC / JAN	0199272819608
Announce Date	2025-12-26



End of Support 2028-01-01



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Compatible Accessories

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GY51U71760
Lenovo 350 Bluetooth Silent Mouse (Fan Edition - Brazil)



4X41U80414
Lenovo 15.6 Laptop Everyday Backpack B510-ROW



4XD1T54899
Lenovo Analog In-Ear Headphones Gen II Bulk Package (20pcs)



4XJ1UC
Lenovo Privacy Filter (16:10)



GX41U39300
Lenovo Legion 17" Gaming Backpack GB800 (Light Gray)



GX41U39299
Lenovo Legion 17" Gaming Backpack GB800 (Black)



GX41U39298
Lenovo Legion 16" Gaming Backpack GB500



4X21U2
ThinkPad 180W Adapter

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Recommended Services

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