



Lenovo neo 50a Intel® Core™ i5 i5-13500H 60,5 cm (23.8") 1920 x 1080 Pixel Touch screen PC All-in-one 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Wi-Fi 6 (802.11ax) Nero

Marchio : Lenovo

Codice prodotto: 12K9003UIX

Nome del prodotto : neo 50a

- Intel Core i5-13500H, 12C (4P + 8E)/16T, P-core 2.6/4.7GHz, E-core 1.9/3.5GHz, 18MB
- 23.8" FHD (1920x1080) IPS 250nits 72% NTSC Touch
- 1x 16GB SO-DIMM DDR5-5200
- 512GB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0
- Intel Iris Xe Graphics Functions as UHD Graphics
- Windows 11 Pro

Intel Core i5-13500H, 12C (4P + 8E)/16T, P-core 2.6/4.7GHz, E-core 1.9/3.5GHz, 18MB, 1x 16GB SO-DIMM DDR5-5200, 512GB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0, 23.8" FHD (1920x1080) IPS 250nits 72% NTSC Touch, Intel Iris Xe Graphics Functions as UHD Graphics, Intel Wi-Fi 6 AX201 802.11ax 2x2 + BT5.2, 5.0MP + IR, Windows 11 Pro



Display		Network	
Display diagonal *	60.5 cm (23.8")	WLAN controller manufacturer	Intel
Display resolution *	1920 x 1080 pixels	WLAN controller model	Intel Wi-Fi 6 AX201
Touchscreen *	✓	Antenna type	2x2
HD type *	Full HD	Ethernet LAN *	✓
Native aspect ratio	16:9	Ethernet LAN data rates	1000,100 Mbit/s
Display brightness	250 cd/m²	Bluetooth *	✓
Panel type	IPS	Bluetooth version	5.1
RGB colour space	NTSC	Ports & interfaces	
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Colour gamut	72%	USB 2.0 ports quantity *	1
Tilt adjustment	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Tilt angle range	-5 - 18°	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor		USB 2.0 Type-C ports quantity	1
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Processor family *	Intel® Core™ i5	HDMI ports quantity *	2
Processor generation	13th gen Intel® Core™ i5	Combo headphone/mic port	✓
Processor model *	i5-13500H	Design	
Processor cores	12	Colour name	Raven black
Processor boost frequency	4.7 GHz	Product colour *	Black
Performance cores	4	Cable lock slot	✓
Efficient cores	8	Cable lock slot type	Kensington
Performance-core Max Turbo Frequency	4.7 GHz	VESA mounting	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Panel mounting interface	100 x 100 mm
Processor cache	18 MB	Performance	
Processor cache type	Smart Cache	Product type *	All-in-One PC
Processor base power	45 W		
Maximum turbo power	95 W		

Memory		Performance	
Internal memory *	16 GB	Motherboard chipset	Intel SoC
Internal memory type	DDR5-SDRAM	Trusted Platform Module (TPM)	✓
Maximum internal memory *	16 GB	Trusted Platform Module (TPM) version	2.0
Memory slots	2	BIOS password	✓
Memory slots type	SO-DIMM	HDD user password	✓
Memory clock speed	5200 MHz	Software	
Memory layout (slots x size)	1 x 16 GB	Operating system architecture	64-bit
Memory form factor	DIMM/SO-DIMM	Operating system installed *	Windows 11 Pro
Storage		Operating system language	Dutch, English, Italian, French, German
Total storage capacity *	512 GB	Power	
Storage media *	SSD	AC adapter power	180 W
Number of storage drives installed	1	AC adapter frequency	50/60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	Weight & dimensions	
SSD capacity	512 GB	Width (with stand)	541 mm
SSD interface	PCI Express 4.0	Depth (with stand)	220 mm
NVMe	✓	Height (with stand)	482 mm
SSD form factor	M.2	Weight (with stand)	7.64 kg
Optical drive type *	DVD±RW	Package width	658 mm
Card reader integrated	✗	Package depth	264 mm
Graphics		Package height	570 mm
Discrete graphics card *	✗	Package weight	11.8 kg
Discrete graphics card model *	Not available	Operational conditions	
On-board graphics card *	✓	Operating temperature (T-T)	5 - 35 °C
On-board GPU manufacturer	Intel	Storage temperature (T-T)	-20 - 60 °C
On-board graphics card family	Intel Iris Xe Graphics	Operating relative humidity (H-H)	20 - 80%
On-board graphics card model *	Intel Iris Xe Graphics	Storage relative humidity (H-H)	10 - 90%
Audio		Operating altitude	0 - 3048 m
Built-in speaker(s) *	✓	Non-operating altitude	0 - 12192 m
Number of speakers	2	Certificates	
RMS rated power	6 W	Certification	TÜV Rheinland® Flicker Free TÜV Rheinland Low Blue Light TÜV Rheinland Ultra Low Noise
Speakers manufacturer	Harman Kardon	Sustainability	
Built-in microphone	✓	Sustainability certificates	ENERGY STAR, EPEAT Silver
Audio system	HD	Packaging content	
Camera		Mouse included	✓
Built-in camera *	✓	Mouse connectivity	Wireless
Total megapixels	5 MP	Keyboard included	✓
Network		Keyboard connectivity	Wireless
Wi-Fi *	✓	Keyboard language	Italian
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	Wi-Fi 6 (802.11ax)		



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