



**Lenovo ThinkCentre neo 50a 27 Gen 5 Intel® Core™ i7 i7-13620H
68.6 cm (27") 1920 x 1080 pixels All-in-One PC 32 GB DDR5-
SDRAM 1 TB SSD Windows 11 Pro Wi-Fi 6 (802.11ax) Grey**

Brand : Lenovo

Product family: ThinkCentre

Product code: 12SB000SGE

Product name : neo 50a 27
Gen 5

Lenovo ThinkCentre neo 50a 27 Gen 5. Product type: All-in-One PC. Display diagonal: 68.6 cm (27"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Panel type: IPS. Processor family: Intel® Core™ i7, Processor frequency: 2.4 GHz. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Built-in camera. Operating system installed: Windows 11 Pro. Product colour: Grey



Display		Camera	
Display diagonal *	68.6 cm (27")	Built-in camera *	✓
Display resolution *	1920 x 1080 pixels	Total megapixels	5 MP
Touchscreen *	✗	Network	
HD type *	Full HD	Wi-Fi *	✓
Native aspect ratio	16:9	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display brightness	300 cd/m²	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Panel type	IPS	WLAN controller manufacturer	Intel
RGB colour space	sRGB	WLAN controller model	Intel Wi-Fi 6 AX201
Anti-glare screen	✓	Antenna type	2x2
Colour gamut	99%	Ethernet LAN *	✓
Processor		Ethernet LAN data rates	100,1000 Mbit/s
Processor manufacturer *	Intel	Bluetooth *	✓
Processor family *	Intel® Core™ i7	Bluetooth version	5.2
Processor generation	13th gen Intel® Core™ i7	Ports & interfaces	
Processor model *	i7-13620H	Ethernet LAN (RJ-45) ports	1
Processor cores	10	USB 2.0 ports quantity *	2
Processor boost frequency	4.9 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor frequency *	2.4 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Memory		HDMI ports quantity *	2
Internal memory *	32 GB	Combo headphone/mic port	✓
Internal memory type	DDR5-SDRAM	Design	
Maximum internal memory *	32 GB	Colour name	Luna Grey
Memory slots	2	Product colour *	Grey
Memory slots type	SO-DIMM	Performance	
Memory clock speed	5200 MHz	Product type *	All-in-One PC
Memory layout (slots x size)	2 x 16 GB		
Memory form factor	DIMM/SO-DIMM		

Storage		Performance	
Total storage capacity *	1 TB	Motherboard chipset	Intel SoC
Storage media *	SSD	Trusted Platform Module (TPM)	✓
Total SSDs capacity	1 TB	Trusted Platform Module (TPM) version	2.0
Number of SSDs installed	1	Software	
SSD capacity	1 TB	Operating system architecture	64-bit
SSD interface	PCI Express 4.0	Operating system installed *	Windows 11 Pro
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	135 W
Optical drive type *	✗	AC adapter frequency	50 - 60 Hz
Card reader integrated	✗	AC adapter input voltage	100 - 240 V
Graphics		Weight & dimensions	
Discrete graphics card *	✗	Width (with stand)	611.7 mm
Discrete graphics card model *	Not available	Depth (with stand)	192 mm
On-board graphics card *	✓	Height (with stand)	473.2 mm
On-board GPU manufacturer	Intel	Weight (with stand)	7.1 kg
On-board graphics card family	Intel® UHD Graphics	Sustainability	
On-board graphics card model *	Intel® UHD Graphics	Sustainability certificates	ENERGY STAR, EPEAT Silver
Audio		Packaging content	
Built-in speaker(s) *	✓	Mouse included	✓
Number of speakers	2	Mouse connectivity	Wireless
RMS rated power	6 W	Keyboard included	✓
Built-in microphone	✓	Keyboard connectivity	Wireless
Audio chip	Realtek ALC233-CG	Keyboard language	German



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