

Lenovo

## Lenovo ThinkCentre neo 50a Intel® Core™ i7 i7-13700H 60.5 cm (23.8") 1920 x 1080 Pixeles PC todo en uno 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Wi-Fi 6 (802.11ax) Negro

Marca : Lenovo

Familia de productos:  
ThinkCentre

Código del producto:  
12K9003XLS

Nombre del producto : neo  
50a

Lenovo ThinkCentre neo 50a. Tipo de producto: PC todo en uno. Diagonal de la pantalla: 60.5 cm (23.8"), Tipo HD: Full HD, Resolución de la pantalla: 1920 x 1080 Pixeles, Tipo de panel: IPS. Familia de procesador: Intel® Core™ i7. Memoria interna: 16 GB, Tipo de memoria interna: DDR5-SDRAM. Capacidad total de almacenaje: 512 GB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel Iris Xe Graphics. Cámara incorporada. Sistema operativo instalado: Windows 11 Pro. Color del producto: Negro



intel



### Display

Display diagonal *	60.5 cm (23.8")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type *	Full HD
Native aspect ratio	16:9
Display brightness	250 cd/m <sup>2</sup>
Panel type	IPS
RGB colour space	NTSC
Anti-glare screen	✓
Colour gamut	72%
Tilt adjustment	✓
Tilt angle range	-5 - 25°

### Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700H
Processor cores	14
Processor boost frequency	5 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

### Network

WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6 AX201
Antenna type	2x2
Ethernet LAN *	✓
Ethernet LAN data rates	100,1000 Mbit/s
Bluetooth *	✓
Bluetooth version	5.1

### Ports & interfaces

Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
USB 2.0 Type-C ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
HDMI ports quantity *	2
Combo headphone/mic port	✓

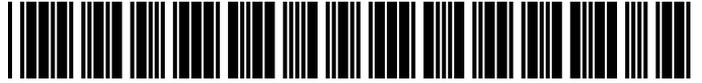
### Design

Colour name	Raven black
Product colour *	Black
Cable lock slot	✓
Cable lock slot type	Kensington
VESA mounting	✓
Panel mounting interface	100 x 100 mm

<b>Memory</b>		<b>Performance</b>	
Internal memory *	16 GB	Product type *	All-in-One PC
Internal memory type	DDR5-SDRAM	Motherboard chipset	Intel SoC
Maximum internal memory *	16 GB	Trusted Platform Module (TPM)	✓
Memory slots	2	Trusted Platform Module (TPM) version	2.0
Memory slots type	SO-DIMM	BIOS password	✓
Memory clock speed	5200 MHz	HDD user password	✓
Memory layout (slots x size)	1 x 16 GB	<b>Software</b>	
Memory form factor	DIMM/SO-DIMM	Operating system installed *	Windows 11 Pro
<b>Storage</b>		Operating system language	Spanish
Total storage capacity *	512 GB	<b>Power</b>	
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	<b>Weight &amp; dimensions</b>	
SSD capacity	512 GB	Width (with stand)	541 mm
SSD interface	PCI Express 4.0	Depth (with stand)	209.9 mm
NVMe	✓	Height (with stand)	433.7 mm
SSD form factor	M.2	Weight (with stand)	7.42 kg
Optical drive type *	✗	Package width	695 mm
Card reader integrated	✗	Package depth	196 mm
<b>Graphics</b>		Package height	554 mm
Discrete graphics card *	✗	Package weight	11 kg
Discrete graphics card model *	Not available	<b>Operational conditions</b>	
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 model *	Intel Iris Xe Graphics	Operating relative humidity (H-H)	20 - 80%
<b>Audio</b>		Storage relative humidity (H-H)	10 - 90%
Built-in speaker(s) *	✓	Operating altitude	0 - 3048 m
Number of speakers	2	Non-operating altitude	0 - 12192 m
RMS rated power	6 W	<b>Certificates</b>	
Speakers manufacturer	Harman Kardon	Certification	TÜV Rheinland® Flicker Free TÜV Rheinland Low Blue Light TÜV Rheinland Ultra Low Noise ENERGY STAR 8.0 EPEAT Silver Registered
Built-in microphone	✓	<b>Packaging content</b>	
Audio system	HD	Mouse included	✓
<b>Camera</b>		Mouse connectivity	Wired
Built-in camera *	✓	Keyboard included	✓
Total megapixels	5 MP	Keyboard connectivity	Wired
<b>Network</b>		Keyboard language	Spanish
Wi-Fi *	✓		
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	Wi-Fi 6 (802.11ax)		



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