



Lenovo ThinkCentre M90a Intel® Core™ i7 i7-12700 60.5 cm (23.8") 1920 x 1080 Pixeles Pantalla táctil PC todo en uno 16 GB DDR4-SDRAM 512 GB SSD Windows 11 Pro Wi-Fi 6 (802.11ax) Negro

Marca : Lenovo

Familia de productos:
ThinkCentre

Código del producto:
11VGS38T00

Nombre del producto : M90a

- Windows 11 Pro 64-bit
 - Intel Core i7-12700 (25MB Cache)
 - 60.5 cm (23.8") Full HD 1920 x 1080 IPS Touch
 - 16GB (3200MHz) DDR4-SDRAM (1 x 16) & 512GB SSD
- Intel Core i7-12700 (25MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 60.5 cm (23.8") Full HD 1920 x 1080 IPS Touch, DVD±RW, Intel UHD Graphics 770, LAN, WLAN, Bluetooth, Webcam, Windows 11 Pro 64-bit

Lenovo ThinkCentre M90a. 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, Pantalla táctil, Tipo de panel: IPS. Familia de procesador: Intel® Core™ i7. Memoria interna: 16 GB, Tipo de memoria interna: DDR4-SDRAM. Capacidad total de almacenaje: 512 GB, Unidad de almacenamiento: SSD. Cámara incorporada. Tipo de unidad óptica: DVD±RW. Sistema operativo instalado: Windows 11 Pro. Color del producto: Negro



Display		Camera	
Display diagonal *	60.5 cm (23.8")	Privacy type	Privacy shutter
Display resolution *	1920 x 1080 pixels	Network	
Touchscreen *	✓	Wi-Fi *	✓
HD type *	Full HD	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Native aspect ratio	16:9	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display brightness	250 cd/m²	WLAN controller manufacturer	Realtek
Panel type	IPS	Antenna type	2x2
RGB colour space	NTSC	Ethernet LAN *	✓
Anti-glare screen	✓	Ethernet LAN data rates	100,1000 Mbit/s
Colour gamut	72%	Bluetooth *	✓
Tilt adjustment	✓	Bluetooth version	5.1
Tilt angle range	-5 - 70°	Ports & interfaces	
Processor		Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor family *	Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Processor generation	12th gen Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor model *	i7-12700	HDMI ports quantity *	1
Processor cores	12	HDMI version	1.4/2.1
Processor boost frequency	4.9 GHz	DisplayPorts quantity	1
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	4	Design	
Performance-core Max Turbo Frequency	4.8 GHz	Product colour *	Black
Efficient-core Max Turbo Frequency	3.6 GHz	Cable lock slot	✓
Performance-core base frequency	2.1 GHz	Cable lock slot type	Kensington
Efficient-core base frequency	1.6 GHz		
Processor cache	25 MB		
Processor cache type	Smart Cache		

Processor		Design	
Processor base power	65 W	VESA mounting	✓
Maximum turbo power	180 W	Performance	
Memory		Product type *	All-in-One PC
Internal memory *	16 GB	Motherboard chipset	Intel Q670
Internal memory type	DDR4-SDRAM	Trusted Platform Module (TPM)	✓
Maximum internal memory *	64 GB	Trusted Platform Module (TPM) version	2.0
Memory slots	2	BIOS password	✓
Memory slots type	SO-DIMM	HDD user password	✓
Memory clock speed	3200 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	Spanish
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)	539.6 mm
SSD interface	PCI Express 4.0	Depth (with stand)	216.3 mm
NVMe	✓	Height (with stand)	472 mm
SSD form factor	M.2	Weight (with stand)	8.74 kg
Optical drive type *	DVD±RW	Width (without stand)	539.6 mm
Card reader integrated	✓	Depth (without stand)	216.3 mm
Compatible memory cards	SD, SDHC, SDXC	Height (without stand)	387.6 mm
Graphics		Package width	660 mm
Discrete graphics card *	✗	Package depth	238 mm
Discrete graphics card model *	Not available	Package height	545 mm
On-board graphics card *	✓	Operational conditions	
On-board GPU manufacturer	Intel	Operating temperature (T-T)	5 - 35 °C
On-board graphics card family	Intel® UHD Graphics	Storage temperature (T-T)	-20 - 60 °C
On-board graphics card model *	Intel UHD Graphics 770	Operating relative humidity (H-H)	20 - 80%
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	Compliance certificates	RoHS
Built-in microphone	✓	Certification	TÜV MIL-STD-810H UL Anti-dust
Audio system	HD	Sustainability	
Camera		Sustainability certificates	TCO, ErP
Built-in camera *	✓	Packaging content	
Total megapixels	5 MP	Mouse included	✓
Privacy camera	✓	Mouse connectivity	Wired
		Keyboard included	✓
		Keyboard connectivity	Wired
		Keyboard language	Spanish



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