



Lenovo ThinkCentre M90a Intel® Core™ i7 i7-10700 60.5 cm (23.8") 1920 x 1080 Pixeles 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:
11CES44700

Nombre del producto : M90a

- Windows 11 Pro 64-bit
- Intel Core i7-10700 (16MB Cache, 2.9GHz)
- 60.5 cm (23.8") Full HD 1920 x 1080 IPS
- 16GB (2933MHz) DDR4-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-10700 (16MB Cache, 2.9GHz), 16GB DDR4-SDRAM, 512GB SSD, 60.5 cm (23.8") Full HD 1920 x 1080 IPS, DVD±RW, Intel UHD Graphics 630, 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, Tipo de panel: IPS. Familia de procesador: Intel® Core™ i7, Frecuencia del procesador: 2.9 GHz. 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		Network	
Display diagonal *	60.5 cm (23.8")	Bluetooth version	5.1
Display resolution *	1920 x 1080 pixels	Ports & interfaces	
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type *	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Native aspect ratio	16:9	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display brightness	250 cd/m²	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Panel type	IPS	DisplayPorts quantity	1
RGB colour space	NTSC	Combo headphone/mic port	✓
Anti-glare screen	✓	Design	
Colour gamut	72%	Product colour *	Black
Tilt adjustment	✓	Cable lock slot	✓
Tilt angle range	-5 - 30°	Cable lock slot type	Kensington
Processor		VESA mounting	✓
Processor manufacturer *	Intel	Performance	
Processor family *	Intel® Core™ i7	Product type *	All-in-One PC
Processor generation	10th gen Intel® Core™ i7	Motherboard chipset	Intel Q470
Processor model *	i7-10700	Trusted Platform Module (TPM)	✓
Processor cores	8	Trusted Platform Module (TPM) version	2.0
Processor boost frequency	4.8 GHz	HDD user password	✓
Processor frequency *	2.9 GHz	Software	
Processor cache	16 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 11 Pro
Memory		Operating system language	Spanish
Internal memory *	16 GB		
Internal memory type	DDR4-SDRAM		
Maximum internal memory *	64 GB		
Memory slots	2		
Memory slots type	DIMM		
Memory clock speed	2933 MHz		

Memory		Processor special features	
Memory layout (slots x size)	1 x 16 GB	Enhanced Intel SpeedStep Technology	✓
Memory form factor	DIMM/SO-DIMM	Intel Clear Video Technology	✓
Storage		Intel Trusted Execution Technology	✓
Total storage capacity *	512 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage media *	SSD	Intel Stable Image Platform Program (SIPP)	✓
Number of storage drives installed	1	Intel Software Guard Extensions (Intel SGX)	✓
Total SSDs capacity	512 GB	Intel 64	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	512 GB	Idle States	✓
SSD interface	PCI Express 3.0	CPU configuration (max)	1
NVMe	✓	Embedded options available	✗
SSD form factor	M.2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	DVD±RW	Intel Virtualization Technology (VT-x)	✓
Graphics		Power	
Discrete graphics card *	✗	AC adapter power	170 W
Discrete graphics card model *	Not available	Weight & dimensions	
On-board graphics card *	✓	Width (with stand)	541 mm
On-board GPU manufacturer	Intel	Depth (with stand)	200 mm
On-board graphics card family	Intel® UHD Graphics	Weight (with stand)	7.84 kg
On-board graphics card model *	Intel® UHD Graphics 630	Operational conditions	
Audio		Operating temperature (T-T)	5 - 35 °C
Built-in speaker(s) *	✓	Storage temperature (T-T)	-20 - 60 °C
Number of speakers	2	Operating relative humidity (H-H)	20 - 80%
RMS rated power	6 W	Operating altitude	0 - 3048 m
Built-in microphone	✓	Non-operating altitude	0 - 12192 m
Audio chip	Realtek ALC233	Certificates	
Audio system	HD	Certification	ErP Lot 3 TCO Certified 8.0 TCO edge RoHS compliant TÜV MIL-STD-810H
Camera		Packaging content	
Built-in camera *	✓	Mouse included	✓
Camera resolution	1920 x 1080 pixels	Mouse connectivity	Wired
Camera HD type	Full HD	Keyboard included	✓
Network		Keyboard connectivity	Wired
Wi-Fi *	✓	Keyboard language	Spanish
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	Wi-Fi 5 (802.11ac)		
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 *	✓		



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