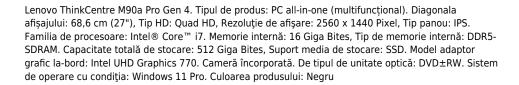
Lenovo.

Lenovo ThinkCentre M90a Pro Gen 4 Intel® Core™ i7 i7-13700 68,6 cm (27") 2560 x 1440 Pixel PC all-in-one (multifuncțional) 16 Giga Bites DDR5-SDRAM 512 Giga Bites SSD Windows 11 Pro Wi-Fi 6E (802.11ax) Negru

Marcă : Lenovo Familia de produse: Codul produsului: ThinkCentre 12JM0019SP

Nume produs: M90a Pro Gen

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Display		Camera	
Display diagonal *	68.6 cm (27") 2560 x 1440 pixels X Quad HD 16:9 350 cd/m² IPS sRGB ✓	Privacy type	Privacy shutter
Display resolution *		Network	
Touchscreen * HD type * Native aspect ratio Display brightness Panel type RGB colour space Anti-glare screen Colour gamut		Wi-Fi * Top Wi-Fi standard * Wi-Fi standards WLAN controller manufacturer WLAN controller model Antenna type Ethernet LAN * Ethernet LAN data rates	Wi-Fi 6E (802.11ax) Wi-Fi 6E (802.11ax) Intel Intel Wi-Fi 6E AX211 2x2 100.1000 Mbit/s
Processor		Bluetooth *	100,1000 Mblt/3 ✓
Processor manufacturer *	Intel	Bluetooth version	5.1
Processor family * Processor generation Processor model * Processor cores Processor boost frequency Performance cores Efficient cores Performance-core Max Turbo Frequency Efficient-core Max Turbo Frequency Performance-core base frequency Efficient-core base frequency Processor cache	•	Ports & interfaces Ethernet LAN (RJ-45) ports USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * Intel® Thunderbolt 4 Thunderbolt 4 ports quantity HDMI ports quantity * DisplayPorts quantity Combo headphone/mic port	1 3 2 1
Processor cache type	Smart Cache	Design	
Processor base power 65 W Maximum turbo power 219 W	Colour name Product colour *	Black Black	

Memory		Design	
Internal memory *	16 GB	Cable lock slot	✓
Internal memory type Maximum internal memory * Memory slots	DDR5-SDRAM 64 GB 2	Cable lock slot type	Kensington
		7.	Kensington
		Performance	All to O to DC
Memory slots type	SO-DIMM	Product type * Motherboard chipset	All-in-One PC Intel Q670
Memory clock speed	5600 MHz	Trusted Platform Module (TPM)	Intel Q070 ✓
Memory layout (slots x size)	1 x 16 GB	Trusted Platform Module (TPM)	
Memory form factor	DIMM/SO-DIMM	version	2.0
Storage		Software	
Total storage capacity * Storage media * Total SSDs capacity Number of SSDs installed	512 GB SSD 512 GB 1	Operating system architecture	64-bit
		Operating system installed *	Windows 11 Pro
		Power	
SSD capacity	512 GB	AC adapter power	230 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	Weight & dimensions	
Optical drive type *	DVD±RW	Width (with stand)	613.6 mm
Card reader integrated	✓	Depth (with stand)	219.8 mm
Graphics		Height (with stand)	411 mm
Discrete graphics card *	×	Weight (with stand)	11.2 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® UHD Graphics	Operating relative humidity (H-H)	20 - 80%
On-board graphics card model *	Intel UHD Graphics 770	Storage relative humidity (H-H) Operating altitude	10 - 90% -15.2 - 3048 m
Audio		Non-operating altitude	-15.2 - 12192 m
Built-in speaker(s) *	✓	Certificates	
Number of speakers	2		RoHS
RMS rated power	10 W	Compliance certificates	копо
Built-in microphone	✓	Sustainability	
Camera		Sustainability certificates	ENERGY STAR, TCO, EPEAT Gold
Built-in camera *	✓	Packaging content	
Total megapixels	5 MP	Mouse included	✓
Privacy camera	✓	Mouse connectivity	Wireless
		Keyboard included	✓
		Keyboard connectivity Keyboard language	Wireless Spanish





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