



Lenovo ThinkCentre M90a Pro Gen 4 Intel® Core™ i7 i7-13700 68,6 cm (27") 2560 x 1440 piksel PC lengkap 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Wi-Fi 6E (802.11ax) Hitam

Brand : Lenovo

Product family: ThinkCentre

Product code: 12JM0019SP

Product name : M90a Pro Gen 4



Lenovo ThinkCentre M90a Pro Gen 4. Jenis produk: PC lengkap. Pepenjuru paparan: 68,6 cm (27"), Jenis HD: Quad HD, Resolusi paparan: 2560 x 1440 piksel, Jenis panel: IPS. Keluarga pemroses: Intel® Core™ i7. Memori dalaman: 16 GB, Jenis memori dalaman: DDR5-SDRAM. Kapasiti keseluruhan storan: 512 GB, Media simpanan: SSD. Model penyesuai grafik papan ibu: Intel UHD Graphics 770. Kamera terbina dalam. Jenis pemacu gentian kaca: DVD±RW. Sistem operasi yang dipasang: Windows 11 Pro. Product color: Hitam

Display		Camera	
Display diagonal *	68.6 cm (27")	Privacy type	Privacy shutter
Display resolution *	2560 x 1440 pixels	Network	
Touchscreen *	✗	Wi-Fi *	✓
HD type *	Quad HD	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:9	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display brightness	350 cd/m²	WLAN controller manufacturer	Intel
Panel type	IPS	WLAN controller model	Intel Wi-Fi 6E AX211
RGB colour space	sRGB	Antenna type	2x2
Anti-glare screen	✓	Ethernet LAN *	✓
Colour gamut	99%	Ethernet LAN data rates	100,1000 Mbit/s
Processor		Bluetooth *	✓
Processor manufacturer *	Intel	Bluetooth version	5.1
Processor family *	Intel® Core™ i7	Ports & interfaces	
Processor generation	13th gen Intel® Core™ i7	Ethernet LAN (RJ-45) ports	1
Processor model *	i7-13700	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor boost frequency	5.2 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Performance cores	8	Intel® Thunderbolt 4	✓
Efficient cores	8	Thunderbolt 4 ports quantity	1
Performance-core Max Turbo Frequency	5.1 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4.1 GHz	DisplayPorts quantity	1
Performance-core base frequency	2.1 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	1.5 GHz	Design	
Processor cache	30 MB	Colour name	Black
Processor cache type	Smart Cache	Product colour *	Black
Processor base power	65 W		
Maximum turbo power	219 W		

Memory		Design	
Internal memory *	16 GB	Cable lock slot	✓
Internal memory type	DDR5-SDRAM	Cable lock slot type	Kensington
Maximum internal memory *	64 GB	Performance	
Memory slots	2	Product type *	All-in-One PC
Memory slots type	SO-DIMM	Motherboard chipset	Intel Q670
Memory clock speed	5600 MHz	Trusted Platform Module (TPM)	✓
Memory layout (slots x size)	1 x 16 GB	Trusted Platform Module (TPM) version	2.0
Memory form factor	DIMM/SO-DIMM	Software	
Storage		Operating system architecture	64-bit
Total storage capacity *	512 GB	Operating system installed *	Windows 11 Pro
Storage media *	SSD	Power	
Total SSDs capacity	512 GB	AC adapter power	230 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	512 GB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express 4.0	Weight & dimensions	
NVMe	✓	Width (with stand)	613.6 mm
SSD form factor	M.2	Depth (with stand)	219.8 mm
Optical drive type *	DVD±RW	Height (with stand)	411 mm
Card reader integrated	✓	Weight (with stand)	11.2 kg
Graphics		Operational conditions	
Discrete graphics card *	✗	Operating temperature (T-T)	5 - 35 °C
Discrete graphics card model *	Not available	Storage temperature (T-T)	-20 - 60 °C
On-board graphics card *	✓	Operating relative humidity (H-H)	20 - 80%
On-board GPU manufacturer	Intel	Storage relative humidity (H-H)	10 - 90%
On-board graphics card family	Intel® UHD Graphics	Operating altitude	-15.2 - 3048 m
On-board graphics card model *	Intel UHD Graphics 770	Non-operating altitude	-15.2 - 12192 m
Audio		Certificates	
Built-in speaker(s) *	✓	Compliance certificates	RoHS
Number of speakers	2	Sustainability	
RMS rated power	10 W	Sustainability certificates	ENERGY STAR, TCO, EPEAT Gold
Built-in microphone	✓	Packaging content	
Camera		Mouse included	✓
Built-in camera *	✓	Mouse connectivity	Wireless
Total megapixels	5 MP	Keyboard included	✓
Privacy camera	✓	Keyboard connectivity	Wireless
		Keyboard language	Spanish



0197532547803



197532547803

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 28-APR-2025. Prints or copies of Information are only valid on the printed Publication date