



Lenovo ThinkCentre M90a Pro Gen 4 Intel® Core™ i9 i9-13900 68.6 cm (27") 2560 x 1440 pixels All-in-One PC 32 GB DDR5- SDRAM 1 TB SSD Windows 11 Pro Wi-Fi 6E (802.11ax) Black

Brand : Lenovo

Product family: ThinkCentre

Product code: 12JN0002GE

Product name : ThinkCentre
M90a Pro Gen 4

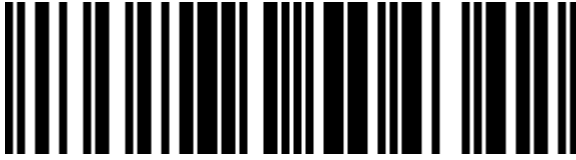
- Windows 11 Pro 64-bit
- Intel Core i9-13900 (36MB Cache)
- 27" Quad HD 2560 x 1440 IPS
- 32GB DDR5-SDRAM & 1000GB SSD

Intel Core i9-13900 (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 27" Quad HD 2560 x 1440 IPS, DVD±RW, Intel UHD Graphics 770, LAN, WLAN, Bluetooth, Webcam, Windows 11 Pro 64-bit
Lenovo ThinkCentre M90a Pro Gen 4. Product type: All-in-One PC. Display diagonal: 68.6 cm (27"), HD type: Quad HD, Display resolution: 2560 x 1440 pixels, Panel type: IPS. Processor family: Intel® Core™ i9. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770. Built-in camera. Optical drive type: DVD±RW. Operating system installed: Windows 11 Pro. Product colour: Black

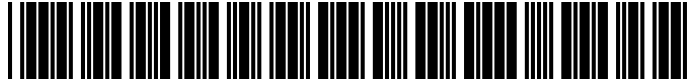


Display		Network	
Display diagonal *	68.6 cm (27")	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display resolution *	2560 x 1440 pixels	WLAN controller manufacturer	Intel
Touchscreen *	✗	WLAN controller model	Intel Wi-Fi 6E AX211
HD type *	Quad HD	Antenna type	2x2
Native aspect ratio	16:9	Ethernet LAN *	✓
Display brightness	350 cd/m²	Bluetooth *	✓
Panel type	IPS	Bluetooth version	5.3
Contrast ratio (typical)	1000:1	Ports & interfaces	
RGB colour space	sRGB	Ethernet LAN (RJ-45) ports	1
Anti-glare screen	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Colour gamut	99%	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel® Core™ i9	Thunderbolt 4 ports quantity	1
Processor generation	13th gen Intel® Core™ i9	HDMI ports quantity *	1
Processor model *	i9-13900	HDMI version	1.4/2.1
Processor cores	24	DisplayPorts quantity	1
Processor threads	32	Combo headphone/mic port	✓
Processor boost frequency	5.6 GHz	Design	
Performance cores	8	Product colour *	Black
Efficient cores	16	Cable lock slot	✓
Performance-core Max Turbo Frequency	5.2 GHz	Cable lock slot type	Kensington
Efficient-core Max Turbo Frequency	4.2 GHz	VESA mounting	✓
Performance-core base frequency	2 GHz	Panel mounting interface	100 x 100 mm
Efficient-core base frequency	1.5 GHz		
Processor cache	36 MB		
Processor cache type	Smart Cache		
Processor socket	LGA 1700		

Processor		Performance	
Processor base power	65 W	Product type *	All-in-One PC
Maximum turbo power	219 W	Motherboard chipset	Intel Q670
Memory		Trusted Platform Module (TPM)	✓
Internal memory *	32 GB	Trusted Platform Module (TPM) version	2.0
Internal memory type	DDR5-SDRAM	BIOS password	✓
Maximum internal memory *	64 GB	Software	
Memory slots	2	Operating system architecture	64-bit
Memory slots type	SO-DIMM	Operating system language	German
Memory form factor	DIMM/SO-DIMM	Operating system installed *	Windows 11 Pro
Non-ECC	✓	Power	
Storage		AC adapter power	230 W
Total storage capacity *	1 TB	AC adapter frequency	50/60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	Weight & dimensions	
Number of SSDs installed	1	Width (with stand)	613.6 mm
SSD capacity	1 TB	Weight (with stand)	11.2 kg
SSD memory type	TLC	Width (without stand)	613.6 mm
SSD interface	PCI Express 4.0	Depth (without stand)	54.5 mm
NVMe	✓	Height (without stand)	383.4 mm
SSD form factor	M.2	Package width	764 mm
M.2 SSD size	2280 (22 x 80 mm)	Package depth	235 mm
Optical drive type *	DVD±RW	Package height	545 mm
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	Operating altitude	0 - 3048 m
On-board graphics card family	Intel® UHD Graphics	Non-operating altitude	0 - 12192 m
On-board graphics card model *	Intel UHD Graphics 770	Certificates	
Audio		Compliance certificates	RoHS
Built-in speaker(s) *	✓	Certification	ErP Lot 3 TCO Certified 9.0 TCO edge VOC Report Eyesafe Certified
Number of speakers	2		2.0 TÜV Rheinland Flicker Free TÜV Rheinland Low Blue Light (Hardware Solution) UL Anti-dust MIL-STD-810H
RMS rated power	10 W	Packaging content	
Built-in microphone	✓	Mouse included	✓
Audio chip	Realtek ALC256-NL	Mouse connectivity	Wired
Audio system	Dolby Atmos	Keyboard included	✓
Camera		Keyboard connectivity	Wired
Built-in camera *	✓	Keyboard language	German
Total megapixels	5 MP	Other features	
Network		Wake-on-LAN ready	✓
Wi-Fi *	✓	Intel® vPro™ Platform Eligibility	✓
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		



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