

# 16GB Computer memory DDR5 for Lenovo ThinkCentre M90t Gen 4 (12HL) UDIMM





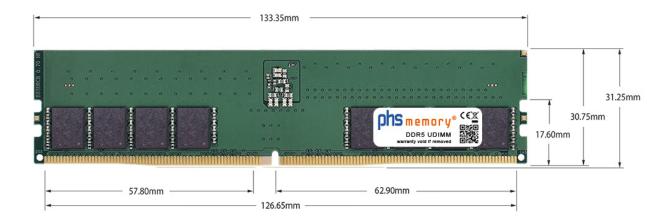


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# Memory Specification



Memory size	16GB		
Memory technology	DDR5		
ECC support	no		
JEDEC Norm	PC5-38400-U		
Туре	UDIMM (Non-ECC unbuffered)		
Number of pins	288 Pin DIMM		
Memory data transfer rate	4800MHz		
Voltage	1,1 Volt		
Speciality	-		
Operating temperature	0° C - 85° C		
Storage temperature	-40° C - +95° C		
RoHS compliant	yes		
SKU	SP533245		
EAN	4067488975097		

Note: The module specified in this datasheet is one of several possible configurations available under this part number.

Some details may differ from the specifications described here and the illustration, but have no negative influence on the functionality.



# System Specifications

The memory is 100% compatible with this sytem:

System manufacturer	Lenovo			
Device type	Desktop			
Device family	ThinkCentre			
Device series	M90 Serie			
Device name	ThinkCentre M90t Gen 4 (12HL)			
Standard memory	16GB / 32GB			
Maximum memory*	192GB / 128GB according to manufacturer			
Number of memory sockets	4			
Annotation	for die folgenden Modelle: 12HL0000BL, 12HL0000CK, 12HL0000CR, 12HL0000EE, 12HL0000EU, 12HL0000FN, 12HL0000FR, 12HL0000GE, 12HL0000HX, 12HL0000MB, 12HL0000MD, 12HL0000MF, 12HL0000MG, 12HL0000MK, 12HL0000MT, 12HL0000MX, 12HL0000MZ, 12HL0000MX, 12HL0000MZ, 12HL0000PG, 12HL0000PB, 12HL0000PG, 12HL0000TR, 12HL0000BL, 12HL0000TR, 12HL0001BL, 12HL0001EE, 12HL0001EU, 12HL0001FR, 12HL0001FR, 12HL0001GE, 12HL0001HX, 12HL0001MB, 12HL0001MD, 12HL0001MF, 12HL0001MD, 12HL0001MF, 12HL0001MG, 12HL0001MF, 12HL0001MT, 12HL0001MS, 12HL0001MT, 12HL0001MS, 12HL0001MZ, etc.			

<sup>\*</sup> The specifications for the maximum memory upgrade may differ from those of the manufacturer Lenovo. Often the information given in the manual for the maximum memory upgrade is not up to date. New memory technologies, bios updates or newer software versions often allow the use of memory modules with a higher capacity than specified by the manufacturer with the same performance and stability.

# Information on memory installation

- Turn off the system
- Remove the plug of the power supply unit (if connected)

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16GB Computer memory for ThinkCentre M90t Gen 4 (12HL)



- Remove the battery, according to the user manual of the system
- Always ground yourself before touching electronic components
- Protect the memory module from static voltages:
  - Do not touch the gold pins of the memory module
  - Only touch the sides of the memory module
  - Use a grounding strap and/or ESD glove if possible

General installation instructions are supplied by E-Mail.



### Further memory options for Lenovo ThinkCentre M90t Gen 4 (12HL)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
8GB	SP533244	DDR5	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP533245	DDR5	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
24GB	SP533246	DDR5	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
32GB	SP533247	DDR5	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
48GB	SP533248	DDR5	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	

## PHS-memory® warranty

Every PHS-memory® is equipped with a 5-years-warranty of perfect operation. If the RAM module is defective or fails within 5 years of purchase when used properly, you will receive an appropriate RAM module free of charge. If a suitable memory module is no longer available, we will refund the purchase price.

For more information on warranty and service please visit https://www.phs-memory.it/-W5Y



### Contact Information

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All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.it