

# 16GB Computer memory DDR4 for Lenovo ThinkServer TS460 (70TR) UDIMM ECC





# Your benefits ✓ verified quality memory ✓ 5 years warranty Warranty details see last page ✓ 100% compatible ✓ free support on our hotline ✓ fast delivery

# PHS-memory® - computer memory with 100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspection include checks of the DRAMs, PCBs and the programmed SPDs in order to exclude possible errors (Controlled BOM).
- PHS-memory® brand memories guarantee 100% compatibility to the specified system.
- PHS-memory® memories can be used together with existing memories in the device depends on to the configuration rules of the system.
- The "fallback option" in the SPD of PHS-memory® allows DRAMs with higher clock rates to be operated together with older memory modules with lower clock rates within the system.
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel



# Memory Specification



Memory size	16GB			
Memory technology	DDR4			
ECC support	ja			
JEDEC Norm	PC4-19200E			
DRAM Organization	1Gx8			
Rank	2Rx8			
Туре	UDIMM ECC (ECC unbuffered)			
Number of pins	288 Pin DIMM			
Memory data transfer rate	2400MHz @ CL17			
Voltage	1,2 Volt			
Speciality	-			
Board dimensions	133,35 x 31,25 (LxB mm)			
Operating temperature	0° C - 85° C			
Storage temperature	-40° C - +95° C			
RoHS compliant	Yes			
SKU	SP236540			
EAN	4063369041196			

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	Server		
Device family	ThinkServer		
Device series	TS460 Serie		
Device name	ThinkServer TS460 (70TR)		
Standard memory	8GB (1x8GB)		
Maximum memory*	64GB		
Number of memory sockets	4		

<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 allocation

# ThinkServer TS460 (70TR) - What should be considered when upgrading RAM?

Dieses System supports UDIMM ECC Computer memory. Main memories with ECC offer higher security through error detection and error correction.

#### Bestückung der Computer memory

Die folgenden Topseller Produkte haben unterschiedliche Speicherkapazitäten ab Werk verbaut

MTM 70TR000EEA	1 x 8GB 2Rx8 ECC UDIMM
MTM 70TR000FEA	1 x 8GB 2Rx8 ECC UDIMM
MTM 70TR000GEA	1 x 8GB 2Rx8 ECC UDIMM
MTM 70TR000RUX	1 x 8GB 2Rx8 ECC UDIMM
MTM 70TR000SUX	1 x 8GB 2Rx8 ECC UDIMM

# Information on memory installation

- Turn off the system
- Remove the plug of the power supply unit (if connected)
- 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  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($
  - Only touch the sides of the memory module
  - Use a grounding strap and/or ESD glove if possible

#### Product Datasheet | SP236540 16GB Computer memory for ThinkServer TS460 (70TR)



General installation instructions are supplied by E-Mail.



# Further memory options for Lenovo ThinkServer TS460 (70TR)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
8GB	SP236541	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	4X70G88333
16GB	SP236540	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	4X70G88332, 4X70G88317

# 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.





### 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