

16GB Computer memory DDR4 for Lenovo ThinkSystem SR850 (7X19) RDIMM







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	PC4-2666V-R		
Туре	RDIMM (ECC Registered)		
Number of pins	288 Pin DIMM		
Memory data transfer rate	2666MHz @ CL19		
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	SP245044		
EAN	4063369128712		

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	ThinkSystem		
Device series	SR850 Serie		
Device name	ThinkSystem SR850 (7X19)		
Standard memory	32GB		
Maximum memory*	6TB / 3TB according to manufacturer		
Number of memory sockets	48		
Annotation	A total of 48 DIMM sockets: 24 DIMM sockets on the motherboard + 24 DIMM sockets on optional memory expansion tray with additional CPU. RDIMMs, LRDIMMs, 3DS RDIMMs are supported, the different memory technologies can not be mixed.suitable for the following models: 7X19A002SG, 7X19A003AU, 7X19A004CN, 7X19A005SG, 7X19A006SG, 7X19A005SG, 7X19A006SG, 7X19A009AU, 7X19A00ASG, 7X19A00BCN, 7X19A00ASG, 7X19A00BCN, 7X19A00ECN, 7X19A00ECN, 7X19A00FCN, 7X19A00JNA, 7X19A00HSG, 7X19A00JNA, 7X19A00HSG, 7X19A00NAU, 7X19A00NAU, 7X19A00NAU, 7X19A00PAU, 7X19A00SG, 7X19A00NAU, 7X19A00NA, 7X19A00VSG, 7X19A00NA, 7X19A00VSG, 7X19A00VSG, 7X19A01CNA, 7X19A011CN, 7X19A012SG, 7X19A015NA, 7X19A014NA, 7X19A015NA, 7X19A01AAU, 7X19A01BSG, 7X19A01AAU, 7X19A01BSG, 7X19A01AAU, 7X19A01BSG, 7X19A01AAU, 7X19A01BSG, 7X19A01CNA, 7X19A01BSG, 7X19A01CNA, 7X19A01BSG, 7X19A01CNA, 7X19A01BSG, 7X19A01CNA, 7X19A01BSG, 7X19A01CNA, 7X19A01BSG, 7X19A01BSG, 7X19A01BSG, 7X19A01BSG, 7X19A01BSG, 7X19A01BSG, 7X19A01BSG, 7X19A05BCN, 7X19A05BCN, 7X19A05BCN, 7X19A05ECN, 7X19A05BCN, 7X19A05ECN, 7X19A05E		



7X19A05FNA, 7X19A05GAU, 7X19A05GNA, 7X19A05HAU, 7X19A05HNA, 7X19A05JAU, 7X19A05JNA, 7X19A05KSG, 7X19A05LSG, 7X19A05MAU, 7X19A05MNA, 7X19A05NSG, 7X19A05PSG, 7X19A05QNA, 7X19A05RNA, etc.

Information on memory allocation

Information on memory configuration

The following technical specifications should be considered in advance:

- The system supports RDIMM and RDIMM 3DS (Registered DIMM) or LRDIMM and LRDIMM 3DS (Load Reduced DIMM) memory modules. Large memory capacities can be realised with LRDIMM 3DS modules.
- RDIMM and RDIMM 3DS memory modules cannot be operated together with LRDIMM and LRDIMM 3DS main memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which basic memory technology (RDIMM / LRDIMM) is available.
- When using a multiprocessor system, the memory slots should always be configured identically for each CPU.
- Memory slots without a processor may not be used.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.
- The CPU supports 6 DIMMs per memory channel.

Maximum memory speed of possible CPUs

Xeon CPUs of the 1nd generation are offered in Bronze, Silver, Gold or Platinum. The different processor series also support different maximum memory speeds:

Xeon	CPU-series	max. Speed MHz	
Bronze	3100	2133	
Silver	4100	2400	
Gold	5100	2666	
Gold	6100	2666	
Platinum	8100	2666	

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
 - Only touch the sides of the memory module
 - Use a grounding strap and/or ESD glove if possible

^{*}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.

Product Datasheet | SP245044 16GB Computer memory for ThinkSystem SR850 (7X19)



General installation instructions are supplied by E-Mail.



Further memory options for Lenovo ThinkSystem SR850 (7X19)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
16GB	SP245044	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
32GB	SP524733	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	Lenovo Original	
32GB	SP245045	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	4ZC7A08709, 7X77A01304
64GB	SP245043	DDR4	LRDIMM (ECC LR DIMM)	288 Pin DIMM	PHS-memory®	7X77A01305
64GB	SP466316	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
128GB	SP466317	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
128GB	SP466315	DDR4	LRDIMM (ECC LR DIMM) 3DS	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.





Contact Information

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