

256GB Computer memory DDR4 for Supermicro SuperServer SYS-120U-TNR LRDIMM 3DS





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	256GB
Memory technology	DDR4
ECC support	yes
JEDEC Norm	PC4-25600-L
DRAM Organization	3DS 4H 16Gx4
Rank	8Rx4 (2S4Rx4)
Туре	LRDIMM (ECC LR DIMM) 3DS
Number of pins	288 Pin DIMM
Memory data transfer rate	3200MHz @ CL22
Voltage	1,2 Volt
Speciality	3DS
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	SP398459
EAN	4067488021688

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	Supermicro
Device type	Server
Device family	SuperServer
Device series	SYS-120U Serie
Device name	SuperServer SYS-120U-TNR
Maximum memory*	8TB
Number of memory sockets	32
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^{*} The specifications for the maximum memory upgrade may differ from those of the manufacturer Supermicro. 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

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.

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

General installation instructions are supplied by E-Mail.



Further memory options for Supermicro SuperServer SYS-120U-TNR

8GB SP472919 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 16GB SP398461 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP398463 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 64GB SP472917 DDR4 LRDIMM (ECC LR DIMM) 288 Pin DIMM PHS-memory® 64GB SP398464 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 128GB SP472918 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	ize	SKU	Size	Technology	оду Туре	Number of pins	Brand	Reference no.
Registered) 32GB SP398463 DDR4 RDIMM (ECC Registered) 64GB SP472917 DDR4 LRDIMM (ECC LR DIMM) 64GB SP398464 DDR4 RDIMM (ECC Registered) Registered) RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® PHS-memory® Registered)	GB	SP472919	8GB	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 64GB SP472917 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 64GB SP398464 DDR4 RDIMM (ECC Registered) PHS-memory®	6GB	SP398461	16GB	DDR4		288 Pin DIMM	PHS-memory®	
LR DIMM) 64GB SP398464 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered)	2GB	SP398463	32GB	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered)	4GB	SP472917	64GB	DDR4	•	288 Pin DIMM	PHS-memory®	
128GB SP472918 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	4GB	SP398464	64GB	DDR4	•	288 Pin DIMM	PHS-memory®	
LR DIMM) 3DS	28GB	SP472918	128GB	DDR4	•	288 Pin DIMM	PHS-memory®	
128GB SP398460 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	28GB	SP398460	128GB	DDR4	•	288 Pin DIMM	PHS-memory®	
128GB SP398458 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM)	28GB	SP398458	128GB	DDR4	•	288 Pin DIMM	PHS-memory®	
256GB SP398462 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	56GB	SP398462	256GB	DDR4	•	288 Pin DIMM	PHS-memory®	
256GB SP398459 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 3DS	56GB	SP398459	256GB	DDR4	•	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.es/-W5Y



Contact Information

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Product Datasheet | SP398459 256GB Computer memory for SuperServer SYS-120U-TNR



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