

16GB Computer memory DDR4 for Supermicro SuperServer SYS-1029U-TRTP2 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	yes
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	SP254178
EAN	4063369223660

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-1029 Serie
Device name	SuperServer SYS-1029U-TRTP2
Maximum memory*	3TB
Number of memory sockets	24

^{*} 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.
- 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	

Product Datasheet | SP254178

16GB Computer memory for SuperServer SYS-1029U-TRTP2



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

General installation instructions are supplied by E-Mail.



Further memory options for Supermicro SuperServer SYS-1029U-TRTP2

8GBSP254181DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP254178DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP254179DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP254180DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP254177DDR4LRDIMM (ECC 288 Pin DIMMPHS-memory®	Size	SKU	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered) 32GB SP254179 DDR4 RDIMM (ECC Registered) 64GB SP254180 DDR4 RDIMM (ECC Registered) RDIMM (ECC Registered) 3DS PHS-memory® Registered) 3DS	8GB	SP254181	SP254	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 64GB SP254180 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	16GB	SP254178	B SP254	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS	32GB	SP254179	B SP254	DDR4	•	288 Pin DIMM	PHS-memory®	
64GB SP254177 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP254180	B SP254	DDR4	•	288 Pin DIMM	PHS-memory®	
LR DIMM)	64GB	SP254177	B SP254	DDR4	•	288 Pin DIMM	PHS-memory®	
128GB SP467160 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	128GB	SP467160	GB SP467	DDR4	•	288 Pin DIMM	PHS-memory®	
128GB SP467158 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 3DS	128GB	SP467158	GB SP467	DDR4	`	288 Pin DIMM	PHS-memory®	
128GB SP474022 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM)	128GB	SP474022	GB SP4740	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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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