

128GB Computer memory DDR4 for Supermicro SuperServer 2028TP-HC0TR RDIMM 3DS





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 technologyDDR4ECC supportyesJEDEC NormPC4-23400-RDRAM Organization3DS 2H 8Gx4Rank4Rx4 (2S2Rx4)TypeRDIMM (ECC Registered) 3DSNumber of pins288 Pin DIMMMemory data transfer rate2933MHz @ CL21Voltage1,2 VoltSpeciality3DSBoard dimensions133,35 x 31,25 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Memory size	128GB
JEDEC Norm PC4-23400-R DRAM Organization 3DS 2H 8Gx4 Rank 4Rx4 (2S2Rx4) Type RDIMM (ECC Registered) 3DS Number of pins 288 Pin DIMM Memory data transfer rate 2933MHz @ CL21 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	Memory technology	DDR4
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Storage temperature -40° C - +95° C	Board dimensions	133,35 x 31,25 (LxB mm)
	Operating temperature	0° C - 85° C
	Storage temperature	-40° C - +95° C
RoHS compliant yes	RoHS compliant	yes
SKU SP474198	SKU	SP474198
EAN 4067488377112	EAN	4067488377112

overRAMing - maximize your RAM



Most systems - including the Supermicro SuperServer 2028TP-HCOTR - can be upgraded with more memory than originally specified by the device manufacturer.

Therefore, our memory specialists continuously analyze new memory solutions in selected systems. Due to improved manufacturing technologies, new memories with higher performance and capacity will be tested for stability and functionality.

Then the new memory solutions are released for the respective systems. Use the benefits of larger computer memory capacity with the PHSmemory® overRAMing memory solutions.

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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	2028 Serie
Device name	SuperServer 2028TP-HC0TR
Maximum memory*	2TB / 1TB according to manufacturer
Number of memory sockets	16

^{*} 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.

Memory modules with our overRAMing-symbol are approved by us for maximum memory expansion.

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.
- Memory slots without a processor may not be used.
- A higher memory clock of the memory module automatically adapts to the memory clock specified by the system. This can be the case especially with larger capacities.

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 2028TP-HC0TR

8GB SP254747 DDR4 RDIMM (ECC 288 Pin DIMM Registered)	PHS-memory®
16GB SP254745 DDR4 RDIMM (ECC 288 Pin DIMM Registered)	PHS-memory®
32GB SP254746 DDR4 RDIMM (ECC 288 Pin DIMM Registered)	PHS-memory®
64GB SP254744 DDR4 LRDIMM (ECC 288 Pin DIMM LR DIMM)	PHS-memory®
64GB SP466926 DDR4 RDIMM (ECC 288 Pin DIMM Registered)	PHS-memory®
128GB SP254742 DDR4 LRDIMM (ECC 288 Pin DIMM LR DIMM)	PHS-memory®
128GB SP474198 DDR4 RDIMM (ECC 288 Pin DIMM Registered) 3DS	PHS-memory®
128GB SP474197 DDR4 LRDIMM (ECC 288 Pin DIMM LR DIMM) 3DS	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.com/-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.com