

## 128GB Computer memory DDR4 for Supermicro X10DRFR-N 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 size	128GB
Memory technology	DDR4
ECC support	yes
JEDEC Norm	PC4-23400-R
DRAM Organization	3DS 2H 8Gx4
Rank	4Rx4 (2S2Rx4)
Туре	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
RoHS compliant	yes
SKU	SP474275
EAN	4067488377884

### overRAMing - maximize your RAM



Most systems - including the Supermicro X10DRFR-N - 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.

https://www.phs-memory.es/-BOR

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-Mainboard		
Device family	Mainboard X		
Device series	X10 Serie		
Device name	X10DRFR-N		
Maximum memory*	2TB / 1TB according to manufacturer		
Number of memory sockets	16		

<sup>\*</sup> 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 X10DRFR-N

8GB         SP255212         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           16GB         SP255210         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP255211         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP467048         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP255209         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP255207         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP474275         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP474273         DDR4         LRDIMM (ECC LR DIMM) (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)           32GB         SP255211         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP467048         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP255209         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP255207         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP474275         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP474273         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	8GB	SP255212	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered)           64GB         SP467048         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP255209         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP255207         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP474275         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP474273         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	16GB	SP255210	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered)           64GB         SP255209         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP255207         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP474275         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP474273         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	32GB	SP255211	DDR4	•	288 Pin DIMM	PHS-memory®	
LR DIMM)         128GB       SP255207       DDR4       LRDIMM (ECC LR DIMM)       288 Pin DIMM       PHS-memory®         128GB       SP474275       DDR4       RDIMM (ECC Registered) 3DS       288 Pin DIMM       PHS-memory®         128GB       SP474273       DDR4       LRDIMM (ECC 288 Pin DIMM PHS-memory®)	64GB	SP467048	DDR4	·	288 Pin DIMM	PHS-memory®	
LR DIMM)  128GB SP474275 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS  128GB SP474273 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP255209	DDR4	`	288 Pin DIMM	PHS-memory®	
Registered) 3DS  128GB SP474273 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP255207	DDR4	•	288 Pin DIMM	PHS-memory®	
·	128GB	SP474275	DDR4	·	288 Pin DIMM	PHS-memory®	
	128GB	SP474273	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