

# 16GB Computer memory DDR4 for Supermicro X10SDV-4C+-TP4F RDIMM





# 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	16GB
Memory technology	DDR4
ECC support	yes
JEDEC Norm	PC4-2133P-R
Туре	RDIMM (ECC Registered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2133MHz @ CL15
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	SP416595
EAN	4064578796488

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:

Supermicro		
Server-Mainboard		
Mainboard X		
X10 Serie		
X10SDV-4C+-TP4F		
128GB		
4		

<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.

## Information on memory allocation

#### Information on memory configuration

The following technical specifications should be considered in advance:

- The device supports non ECC UDIMM (without error correction code), ECC DIMM (with error correction code) or RDIMM (Registered DIMM) RAM memories. RDIMM memories are recommended when large memory capacities are to be achieved.
- he different memory technologies (non ECC UDIMM / ECC UDIMM / RDIMM) must not be mixed during operation.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (non ECC / ECC/ RDIMM) is already installed in the system.
- 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
  - 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 X10SDV-4C+-TP4F

4GB         SP473498         DDR4         UDIMM (Non-ECC unbuffered)         288 Pin DIMM         PHS-memory®           8GB         SP416597         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           8GB         SP473499         DDR4         UDIMM (Non-ECC unbuffered)         288 Pin DIMM         PHS-memory®           8GB         SP473497         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           16GB         SP416595         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           16GB         SP416594         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           16GB         SP473500         DDR4         UDIMM (Non-ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP471007         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           32GB         SP473501         DDR4         UDIMM (Non-ECC Unbuffered)         288 Pin DIMM         PHS-memory®           32GB         SP473501         DDR4         UDIMM (Non-ECC Unbuffered)         288 Pin DIMM         PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)8GBSP473499DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®8GBSP473497DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP416595DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP416594DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP473500DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®32GBSP416596DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP471007DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®32GBSP473501DDR4UDIMM (Non-ECC Unbuffered)288 Pin DIMMPHS-memory®32GBSP473501DDR4UDIMM (Non-ECC Unbuffered)288 Pin DIMMPHS-memory®	4GB	SP473498	DDR4	ECC	288 Pin DIMM	PHS-memory®	
ECC unbuffered)  8GB SP473497 DDR4 UDIMM ECC (ECC unbuffered)  16GB SP416595 DDR4 RDIMM (ECC Registered)  16GB SP416594 DDR4 UDIMM ECC (ECC unbuffered)  16GB SP473500 DDR4 UDIMM (Non-ECC unbuffered)  32GB SP416596 DDR4 RDIMM (ECC Registered)  288 Pin DIMM PHS-memory®  32GB SP471007 DDR4 UDIMM ECC 288 Pin DIMM PHS-memory®  ECC Unbuffered)	8GB	SP416597	DDR4	•	288 Pin DIMM	PHS-memory®	
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Registered)  16GB SP416594 DDR4 UDIMM ECC (ECC unbuffered)  16GB SP473500 DDR4 UDIMM (Non- ECC unbuffered)  32GB SP416596 DDR4 RDIMM (ECC Registered)  32GB SP471007 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP473501 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP473501 DDR4 UDIMM ECC (ECC unbuffered)  288 Pin DIMM PHS-memory® P	8GB	SP473497	DDR4	(ECC	288 Pin DIMM	PHS-memory®	
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ECC unbuffered)  32GB SP416596 DDR4 RDIMM (ECC Registered)  32GB SP471007 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP473501 DDR4 UDIMM (Non- ECC ECC Unbuffered)  288 Pin DIMM PHS-memory®  PHS-memory®	16GB	SP416594	DDR4	(ECC	288 Pin DIMM	PHS-memory®	
Registered)  32GB SP471007 DDR4 UDIMM ECC (ECC unbuffered)  288 Pin DIMM PHS-memory®  UDIMM (Non- 288 Pin DIMM PHS-memory® ECC	16GB	SP473500	DDR4	ECC	288 Pin DIMM	PHS-memory®	
(ECC unbuffered)  32GB SP473501 DDR4 UDIMM (Non- 288 Pin DIMM PHS-memory® ECC	32GB	SP416596	DDR4		288 Pin DIMM	PHS-memory®	
ECC	32GB	SP471007	DDR4	(ECC	288 Pin DIMM	PHS-memory®	
	32GB	SP473501	DDR4	ECC	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.fr/-W5Y





#### Contact Information

PHS-electronic gmbh - www.phs-memory.fr - Karl-Götz-Str. 5 97424 Schweinfurt Allemagne

Phone: +49 9721 784678 E-Mail: info@phs-memory.fr Web: www.phs-memory.fr

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