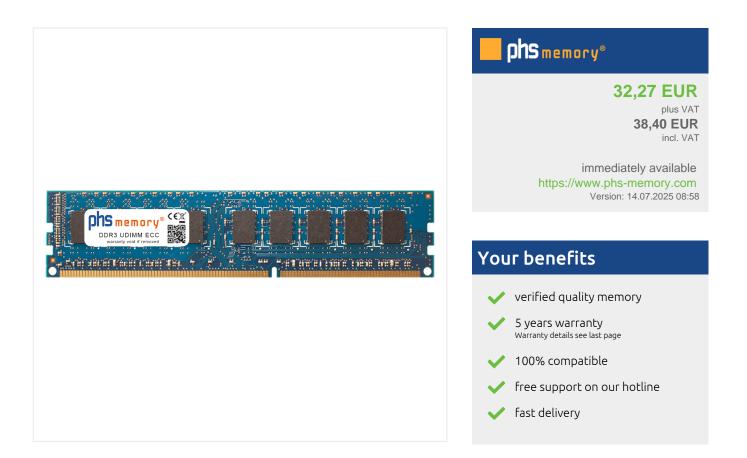


## 8GB Computer memory DDR3 for Supermicro X9DRH-7TF UDIMM ECC



## 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

•	133.35mm	•		
DR3 UDIMM ECC Warranty void if removed		9.5mm	17.3mm	30mm
◄ 54.68mm	-	Ť		

Memory technologyDDR3ECC supportjaJEDEC NormPC3-12800EDRAM Organization512Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperatureo° C - 85° CStorage temperatureYes	ECC supportjaJEDEC NormPC3-12800EDRAM OrganizationS12Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Memory size	8GB
JEDEC NormPC3-12800EDRAM Organization512Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	JEDEC NormPC3-12800EDRAM OrganizationS12Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Memory technology	DDR3
DRAM Organization512Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	DRAM Organization512Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	ECC support	ја
Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	JEDEC Norm	PC3-12800E
TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	DRAM Organization	512Mx8
Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Rank	2Rx8
Memory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Memory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Туре	UDIMM ECC (ECC unbuffered)
Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Number of pins	240 Pin DIMM
Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Memory data transfer rate	1600MHz @ CL11
Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Speciality	-
Storage temperature -40° C - +95° C	Storage temperature-40° C - +95° CRoHS compliantYesSKUSP255318	Board dimensions	133,35 x 30 (LxB mm)
	RoHS compliantYesSKUSP255318	Operating temperature	0° C - 85° C
RoHS compliant Yes	SKU SP255318	Storage temperature	-40° C - +95° C
		RoHS compliant	Yes
<b>SKU</b> SP255318	EAN 4063369234529	SKU	SP255318
FAN 4063369234529	4003307234327	EAN	4063369234529
•		Operating temperature Storage temperature RoHS compliant	0° C - 85° C -40° C - +95° C Yes

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	X9D Serie
Device name	X9DRH-7TF
Maximum memory*	512GB ECC / 128GB according to manufacturer
Number of memory sockets	16
Annotation	ECC DIMM, Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed. Je Prozessor können 8 Computer memory installiert werden.

\* 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

## Which memory configuration is possible?

Our memory team will be happy to help you choose the right memory and configure your server.

Technologie	RAM in maximaler capacity		
UDIMM ECC	128GB RAM 2 x (8 x 8GB ECC UDIMM)		
RDIMM 2Rank	256GB RAM 2 x (8 x 16GB RDIMM)		
RDIMM 4Rank	512GB RAM 2 x (8 x 32GB RDIMM)		
LRDIMM	1TB RAM 2 x (8 x 64GB LRDIMM)		

ECC DIMM, Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed. Bei einer Aufrüstung sollten Sie deshalb wissen, welche memory bereits vorhanden sind, or komplett auf RDIMMcomputer memory upgrade.

#### Principles of memory assembly

- Pro CPU sind 4 memorykanäle vorhanden with jeweils 2 memoryslots
- ECC DIMM, Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed
- memorysteckplätze for die kein Prozessor vorhanden ist dürfen nicht bestückt werden

#### Memory configuration for good system performance

- Verteilen Sie die memory gleichmäßig auf die memorysteckplätze and gleichmäßig auf die CPUs
- Wenn mehr als eine CPU vorhanden sind, sollten die memory pro CPU identisch (gespiegelt zur anderen CPU) bestückt

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werden.

## 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 X9DRH-7TF

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP255317	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	
8GB	SP255323	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
8GB	SP255318	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	
16GB	SP255320	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
32GB	SP255321	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
32GB	SP255319	DDR3	LRDIMM (ECC LR DIMM)	240 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.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