

# 32GB Computer memory DDR4 for Supermicro X10DRH-iT RDIMM

	<b>ρhs</b> memory <sup>®</sup>
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THE ENCOUNTERPORT ENCOUNTERPORT OF A CARLEND AND A CARL 	Your benefits
	<ul> <li>verified quality memory</li> </ul>
	S 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	32GB
Memory technology	DDR4
ECC support	ја
JEDEC Norm	PC4-19200R
DRAM Organization	2Gx4
Rank	2Rx4
Туре	RDIMM (ECC Registered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2400MHz @ CL17
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	SP254824
EAN	4063369230132

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	X10DRH-iT
Maximum memory*	2TB / 512GB 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.

### 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 X10DRH-iT

8GBSP254825DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP254823DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP254824DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP466977DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP254822DDR4LRDIMM (ECC LR DIMM)288 Pin DIMMPHS-memory®	Reference no.	Brand	Number of pins	Туре	Technology	SKU	Size
Registered)32GBSP254824DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP466977DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP254822DDR4LRDIMM (ECC 288 Pin DIMM288 Pin DIMMPHS-memory®		PHS-memory®	288 Pin DIMM	•	DDR4	SP254825	8GB
Registered)         64GB       SP466977       DDR4       RDIMM (ECC Registered)       288 Pin DIMM       PHS-memory®         64GB       SP254822       DDR4       LRDIMM (ECC 288 Pin DIMM       PHS-memory®		PHS-memory®	288 Pin DIMM	•	DDR4	SP254823	16GB
Registered)         64GB       SP254822       DDR4       LRDIMM (ECC 288 Pin DIMM PHS-memory®		PHS-memory®	288 Pin DIMM	•	DDR4	SP254824	32GB
		PHS-memory®	288 Pin DIMM	•	DDR4	SP466977	64GB
		PHS-memory®	288 Pin DIMM	•	DDR4	SP254822	64GB
128GB SP474241 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS		PHS-memory®	288 Pin DIMM	•	DDR4	SP474241	128GB
128GB SP474239 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 3DS		PHS-memory®	288 Pin DIMM	•	DDR4	SP474239	128GB
128GB SP254820 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM)		PHS-memory®	288 Pin DIMM	•	DDR4	SP254820	128GB

### 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.it/-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.it