

48GB Computer memory DDR5 for Supermicro SuperServer SYS-221BT-HNR 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	48GB			
Memory technology	DDR5			
ECC support	yes			
JEDEC Norm	PC5-38400-R			
DRAM Organization	3Gx8			
Rank	2Rx8			
Туре	RDIMM (ECC Registered)			
Number of pins	288 Pin DIMM			
Memory data transfer rate	4800MHz			
Voltage	1,1 Volt			
Speciality	-			
Operating temperature	0° C - 85° C			
Storage temperature	-40° C - +95° C			
RoHS compliant	yes			
SKU	SP515313			
EAN	4067488794216			

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	SYS-221BT Serie
Device name	SuperServer SYS-221BT-HNR
Maximum memory*	4TB
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 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 SYS-221BT-HNR

Registered) ER48 24GB SP515312 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP515307 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR532MD-ER48 32GB SP515306 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR532MD-ER48 48GB SP515313 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR548L-HL01-ER48 64GB SP515309 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR564MC-ER48 64GB SP515308 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR564L-CL02-ER48 96GB SP515314 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR596NC-ER48 128GB SP515310 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR512MH-ER48	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered) 32GB SP515307 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP515306 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR532MD-ER48 48GB SP515313 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR548L-HL01-ER48 64GB SP515309 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR564MC-ER48 64GB SP515308 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR564L-CL02-ER48 96GB SP515314 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR596NC-ER48 128GB SP515310 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR512MH-ER48	16GB	SP515305	DDR5	`	288 Pin DIMM	PHS-memory®	MEM-DR516MB- ER48
Registered) 32GB SP515306 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory®	24GB	SP515312	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) Registered) REM48 ARGB SP515313 DDR5 RDIMM (ECC Registered)	32GB	SP515307	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) Registered) RDIMM (ECC Registered)	32GB	SP515306	DDR5	•	288 Pin DIMM	PHS-memory®	MEM-DR532MD- ER48
Registered) Registered) Registered) RDIMM (ECC Registered) PHS-memory® MEM-DR564L-CL02-ER48 PHS-memory® MEM-DR596NC-Registered) RDIMM (ECC Registered)	48GB	SP515313	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) CL02-ER48 96GB SP515314 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® MEM-DR596NC-ER48 128GB SP515310 DDR5 RDIMM (ECC Registered) 3DS PHS-memory® MEM-DR512MH-ER48	64GB	SP515309	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) ER48 128GB SP515310 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory® MEM-DR512MH-Registered) 3DS ER48	64GB	SP515308	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS ER48	96GB	SP515314	DDR5	•	288 Pin DIMM	PHS-memory®	
25550 50545344 5055 505444 5055 300.0%	128GB	SP515310	DDR5	•	288 Pin DIMM	PHS-memory®	MEM-DR512MH- ER48
Registered) 3DS	256GB	SP515311	DDR5	RDIMM (ECC Registered) 3DS	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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Product Datasheet | SP515313 48GB Computer memory for SuperServer SYS-221BT-HNR



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