

# 128GB Computer memory DDR4 for Asus RS500A-E10-RS4 LRDIMM





# 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	PC4-25600-L
DRAM Organization	8Gx4
Rank	4Rx4 (4DRx4 DDP)
Туре	LRDIMM (ECC LR DIMM)
Number of pins	288 Pin DIMM
Memory data transfer rate	3200MHz @ CL22
Voltage	1,2 Volt
Speciality	DDP
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	SP378108
EAN	4064578412593

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	Asus		
Device type	Server		
Device family	Server R		
Device series	RS500 Serie		
Device name	RS500A-E10-RS4		
Maximum memory*	4TB / 2TB according to manufacturer		
Number of memory sockets	16		

<sup>\*</sup> The specifications for the maximum memory upgrade may differ from those of the manufacturer Asus. 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.

#### 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 Asus RS500A-E10-RS4

8GB         SP378114         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           16GB         SP378111         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP378112         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP378113         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP378109         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP378110         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP378108         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC LR DIMM) (ECC LR DIMM)         288 Pin DIMM         PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)           32GB         SP378112         DDR4         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           64GB         SP378113         DDR4         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           64GB         SP378109         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM PHS-memory®           128GB         SP378110         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM PHS-memory®           128GB         SP378108         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM PHS-memory®           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC 288 Pin DIMM PHS-memory®	8GB	SP378114	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered)           64GB         SP378113         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP378109         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP378110         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP378108         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	16GB	SP378111	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered)           64GB         SP378109         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP378110         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP378108         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	32GB	SP378112	DDR4	`	288 Pin DIMM	PHS-memory®	
LR DIMM)         LR DIMM)           128GB         SP378110         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP378108         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	64GB	SP378113	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS           128GB         SP378108         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC 288 Pin DIMM         PHS-memory®	64GB	SP378109	DDR4	•	288 Pin DIMM	PHS-memory®	
LR DIMM)         LR DIMM)           256GB         SP470079         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP470078         DDR4         LRDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP378110	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS  256GB SP470078 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP378108	DDR4	•	288 Pin DIMM	PHS-memory®	
· · · · · · · · · · · · · · · · · · ·	256GB	SP470079	DDR4	•	288 Pin DIMM	PHS-memory®	
	256GB	SP470078	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.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

#### Product Datasheet | SP378108 128GB Computer memory for RS500A-E10-RS4



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