

# 48GB Computer memory DDR5 for Dell PowerEdge R660xs 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	SP488580
EAN	4067488524226

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:

Dell
Server
PowerEdge
R600 Serie
PowerEdge R660xs
4TB
16

<sup>\*</sup> The specifications for the maximum memory upgrade may differ from those of the manufacturer Dell. 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 Dell PowerEdge R660xs

16GB         SP454149         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           24GB         SP488579         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP454151         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP454150         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           48GB         SP488580         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP454152         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488584         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP454153         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           25GGB         SP454154         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)           32GB         SP454151         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           32GB         SP454150         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           48GB         SP488580         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           64GB         SP454152         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           96GB         SP488584         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           128GB         SP454153         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®           256GB         SP454154         DDR5         RDIMM (ECC Registered)         288 Pin DIMM PHS-memory®	16GB	SP454149	DDR5	·	288 Pin DIMM	PHS-memory®	
Registered)           32GB         SP454150         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           48GB         SP488580         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP454152         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488584         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP454153         DDR5         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP454154         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®	24GB	SP488579	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered)           48GB         SP488580         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP454152         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488584         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP454153         DDR5         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP454154         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®	32GB	SP454151	DDR5	`	288 Pin DIMM	PHS-memory®	
Registered)           64GB         SP454152         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488584         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP454153         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP454154         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®	32GB	SP454150	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered)           96GB         SP488584         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP454153         DDR5         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP454154         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®	48GB	SP488580	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered)  128GB SP454153 DDR5 RDIMM (ECC Registered) 3DS  256GB SP454154 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP454152	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS  256GB SP454154 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®	96GB	SP488584	DDR5	•	288 Pin DIMM	PHS-memory®	
·	128GB	SP454153	DDR5	•	288 Pin DIMM	PHS-memory®	
	256GB	SP454154	DDR5	•	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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All information without guarantee. Technical changes and errors excepted. You can find current price information in our online

#### Product Datasheet | SP488580 48GB Computer memory for PowerEdge R660xs



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