

# 16GB Computer memory DDR4 for Dell PowerEdge R640 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	16GB
Memory technology	DDR4
ECC support	yes
JEDEC Norm	PC4-2666V-R
Туре	RDIMM (ECC Registered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2666MHz @ CL19
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	SP242671
EAN	4063369104365

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	Dell		
Device type	Server		
Device family	PowerEdge		
Device series	R600 Serie		
Device name	PowerEdge R640		
Maximum memory*	3TB		
Number of memory sockets	24		
Annotation	Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed. Memory slots for which no processor is available must not be equipped.		

<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.
- When using a multiprocessor system, the memory slots should always be configured identically for each CPU.
- Memory slots without a processor may not be used.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.
- The CPU supports 6 DIMMs per memory channel.

#### Maximum memory speed of possible CPUs

Xeon CPUs of the 1nd generation are offered in Bronze, Silver, Gold or Platinum. The different processor series also support different maximum memory speeds:

Xeon	CPU-series	max. Speed MHz	max. memory capacity je CPU	
Bronze	3100	2133	768 GB	
Silver	4100	2400	768 GB	



Gold	5100	2666	768 GB	
Gold 6100		2666	768 GB	
Platinum 8100		2666	768 GB	

# 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 R640

16GB         SP242671         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP242672         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®         SNPTN78YC/32 G, A9781929, 370-ADNF, SNP75X1VC/32 G, AA799087, AA579531, SNP SNP75X1VC/32 G, AA799087, AA579531, SNP WKDYC/32G           64GB         SP377071         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®         AA783423, SNP P2MYXC/64G, AA799110, AA579530, SNPW403YC/64 G           64GB         SP242670         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®         SNP4JMGMC/6 4G, A9781930           128GB         SP320180         DDR4         LRDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®         FUS-memory®           128GB         SP466232         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)  Regis	16GB	SP242671	DDR4		288 Pin DIMM	PHS-memory®	
64GB       SP242670       DDR4       LRDIMM (ECC LR DIMM)       288 Pin DIMM       PHS-memory®       SNP4JMGMC/6 4G, AA799110, AA579530, SNPW403YC/64 G         128GB       SP320180       DDR4       LRDIMM (ECC LR DIMM)       PHS-memory®       SNP4JMGMC/6 4G, A9781930         128GB       SP320180       DDR4       LRDIMM (ECC LR DIMM)       PHS-memory®       PHS-memory®         128GB       SP466232       DDR4       RDIMM (ECC 288 Pin DIMM PHS-memory®	32GB	SP242672	DDR4	•	288 Pin DIMM	PHS-memory®	G, A9781929, 370-ADNF, SNP75X1VC/32 G, AA799087, AA579531, SNP
LR DIMM)         4G, A9781930           128GB         SP320180         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP466232         DDR4         RDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP377071	DDR4	•	288 Pin DIMM	PHS-memory®	P2MYXC/64G, AA799110, AA579530, SNPW403YC/64
LR DIMM)  128GB SP466232 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP242670	DDR4	`	288 Pin DIMM	PHS-memory®	
· · · · · · · · · · · · · · · · · · ·	128GB	SP320180	DDR4		288 Pin DIMM	PHS-memory®	
	128GB	SP466232	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.com/-W5Y



### Contact Information

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#### Product Datasheet | SP242671 16GB Computer memory for PowerEdge R640



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