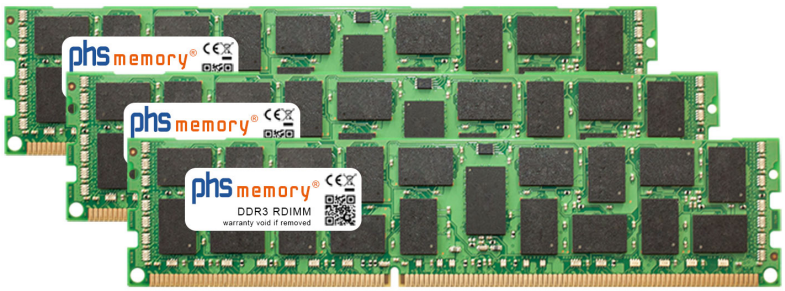
48GB (3x16GB) Kit Computer memory DDR3 for Dell PowerEdge R410 RDIMM



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- 5 years warranty
  Warranty details see last page
- 100% compatible
- free support on our hotline
- fast delivery

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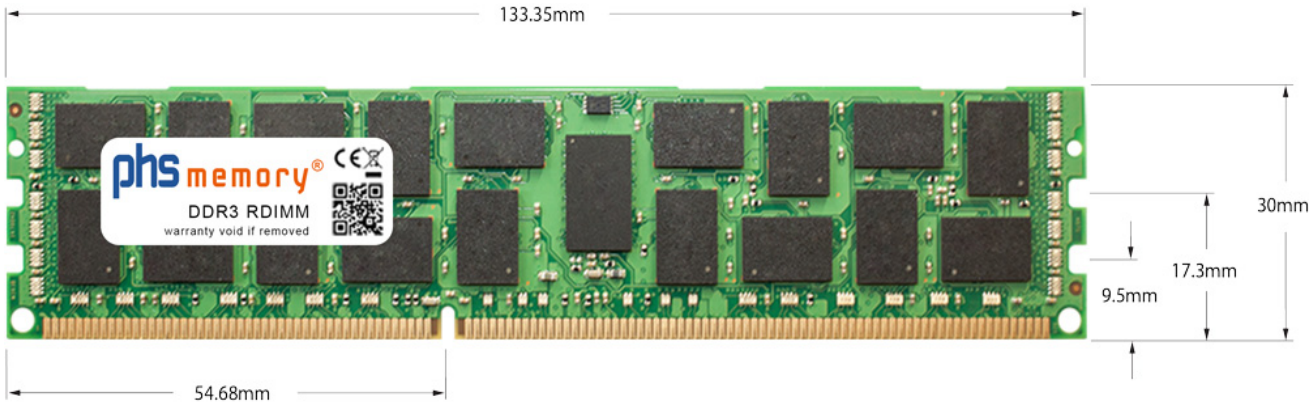
Memory Specification



Memory size	16GB
Memory technology	DDR3
ECC support	ja
JEDEC Norm	PC3-10600R
DRAM Organization	1Gx4
Rank	2Rx4
Type	RDIMM (ECC Registered)
Number of pins	240 Pin DIMM
Memory data transfer rate	1333MHz @ CL9
Speciality	-, DDP
Board dimensions	133,35 x 30 (LxB mm)
Operating temperature	0° C - 85° C
Storage temperature	-40° C - +95° C
RoHS compliant	Yes
SKU	SP163020
EAN	4055069086324

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.

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System Specifications

The memory is 100% compatible with this sytem:

System manufacturer	Dell
Device type	Server
Device family	PowerEdge
Device series	R400 Serie
Device name	PowerEdge R410
Maximum memory*	384GB / 256GB according to manufacturer
Number of memory sockets	12
Annotation	You can use ECC UDIMM or RDIMM, but not mixed in the server. 96GB maximum with UDIMM (8 x 8GB) 256GB maximum with RDIMM (8 x 32GB). Optimal performance: Distribute the memories evenly across the memory slots and CPUs. We are happy to advise you!

* 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

Computer memory configuration:

Our memory team will be happy to help you choose the right memory and configure your server.

Technologie	GB /Modul	Anzahl	Total
UDIMM ECC	8GB RAM	8	64GB
RDIMM	16GB RAM	12	192GB
RDIMM	32GB RAM	8	256GB

UDIMM ECC memory and RDIMM (Registered) server memory can not be shared. Bei einer Aufrüstung sollten Sie deshalb wissen, welche memory bereits vorhanden sind, or komplett auf RDIMMcomputer memory upgrade.

Principles of memory assembly

- Die memorysteckplätze sind in 3er Gruppen organisiert
- Pro 3er Gruppe jeweils nur max. 2 Slots for UDIMM ECC memory
- Pro 3er Gruppe jeweils nur max. 2 Slots for 4Rank RDIMM memory
- Die verschiedenen 3er Steckplatzgruppen müssen nicht die gleichen Kapazitäten haben
- Es können nur die memorysteckplätze genutzt werden, bei denen die jeweilige CPU vorhanden ist.

Memory configuration for good system performance

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- Verteilen Sie die memory gleichmäßig auf die memorysteckplätze and gleichmäßig auf die CPUs
- Bei jeweils 3 gleichen memoryn pro 3er Steckplatzgruppe, ist die Performance until zum 3fachen schneller gegenüber einer Bestückung der 3er Steckplatzgruppe with nur einem memory
- Wenn mehr als eine CPU vorhanden sind, sollten die memory pro CPU identisch (gespiegelt zur anderen CPU) bestückt werden.

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.

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Further memory options for Dell PowerEdge R410

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
4GB	SP148157	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	SNPYWJTRC/4G, A7303660
8GB	SP580182	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	
8GB	SP120260	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	SNPP9RN2C/8G, A6996808, SNPPKCG9C/8G, A7990613
8GB	SP148156	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	SNP96MCTC/8G, A6960121
16GB	SP120261	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	A3138306, SNPMGY5TC/16G, A6996789, SNP20D6FC/16G, A6994465, JR5VJ, 319-1815, 370-23526
8GB	SP163019	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	SNPP9RN2C/8G, A6996808, SNPPKCG9C/8G, A7990613
32GB	SP148154	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
16GB	SP163020	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	SNPMGY5TC/16G, A6996789, SNP20D6FC/16G, A6994465, JR5VJ, 319-1815, 370-23526
32GB	SP148155	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	

PHS-memory® warranty

Every PHS-memory® is equipped with a 5-years-warranty of perfect operation. If the RAM

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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

5 Jahre Garantie

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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.es

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