

16GB Computer memory DDR3 for Dell PowerEdge M520p RDIMM





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	DDR3
ECC support	ja
JEDEC Norm	PC3L-10600R
Туре	RDIMM (ECC Registered)
Number of pins	240 Pin DIMM
Memory data transfer rate	1333MHz @ CL9
Voltage	1,35 Volt
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	SP148691
EAN	4055069228526

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	M500 Serie		
Device name	PowerEdge M520p		
Maximum memory*	384GB		
Number of memory sockets	12		
Annotation	RDIMM and LR DIMM can be used for the system, but not mixed in the server. The timing of the memory adapts automatically, depending on the Intel Xeon CPU used and the number of memories.		

^{*}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

Which memory configuration is possible?

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

Technologie	1 CPU	2 CPU	
UDIMM ECC	24GB RAM	48GB RAM	
RDIMM	96GB RAM	192GB RAM	
LRDIMM	192GB RAM	384GB RAM	

ECC DIMM, Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed. 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 2er Gruppen organisiert
- Die verschiedenen 2er 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

- Verteilen Sie die memory gleichmäßig auf die memorysteckplätze and gleichmäßig auf die CPUs
- 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.



Further memory options for Dell PowerEdge M520p

8GB SP148692 DDR3 RDIMM (ECC Registered) 240 Pin DIMM PHS-memory® SNPPKCG9C/8G, A7990613 16GB SP148691 DDR3 RDIMM (ECC Registered) 240 Pin DIMM PHS-memory® SNP20D6FC/16 G, A6994465 32GB SP148694 DDR3 LRDIMM (ECC LR DIMM) 240 Pin DIMM PHS-memory® A7916527, SNPF1G9D/32G 32GB SP148693 DDR3 RDIMM (ECC Registered) 240 Pin DIMM PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered) G, A6994465 32GB SP148694 DDR3 LRDIMM (ECC LR DIMM) 240 Pin DIMM PHS-memory® A7916527, SNPF1G9D/32G 32GB SP148693 DDR3 RDIMM (ECC 240 Pin DIMM PHS-memory®	8GB	SP148692	DDR3	,	240 Pin DIMM	PHS-memory®	, ,
LR DIMM) SNPF1G9D/32G 32GB SP148693 DDR3 RDIMM (ECC 240 Pin DIMM PHS-memory®	16GB	SP148691	DDR3	,	240 Pin DIMM	PHS-memory®	,
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	32GB	SP148693	DDR3	,	240 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.





Contact Information

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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.it